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Official Website



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PRODUCT CATALOGUE

SMARTER ENERGY FOR ALL

2026-V1.0EN



About HYXI
03 ~ 06

Micro ESS
07 ~ 14

Residential ESS
15 ~ 38

Microinverter
39 ~ 48

Residential String Inverter
49 ~ 66

C&I PV and ESS
67 ~ 80

Utility PV and ESS
81 ~ 86

Accessories
87 ~ 96

HYXI Cloud
97 ~ 98

Global Cases
99 ~ 104



Smarter Energy for All

Our Core Values

Quality, Innovation, Efficiency, Win-win

Our Mission

Enjoy Green Energy Globally

Our Vision

To Be the World-Leading Provider of Smart Renewable Energy Solutions

About HYXI

HYXI (formerly "HYXiPOWER") is a global renewable technology company specializing in smart PV and energy storage solutions.

Integrating R&D, manufacturing, sales and services, the company delivers inverters, ESS and smart energy platforms for residential, C&I and utility-scale applications.

Built on over 100 core intellectual properties, more than 400 international certifications and 12 Global Technical Assistance Centers (GTACs) across six continents, HYXI collaborates with partners worldwide to advance smarter energy for all.

HYXIONE Service

One Touch, Global Care



 **20+**
Years R&D Experience



 **100+**
Countries & Regions

 **70%**
R&D Personnel

 **12**
Global Technical Assistance Centers

 **24/7**
Customer Support



 **100+**
Core Intellectual Properties



 **14**
Spare Parts Centers

 **200+**
Local Professionals

 **1,000+**
Service Partners

HYXI Lab

Ensuring Safety in Every Watt

300+
Advanced Experimental Capabilities

82-Day
Environmental Reliability Load Test



Top-Tier Manufacturing & Supply

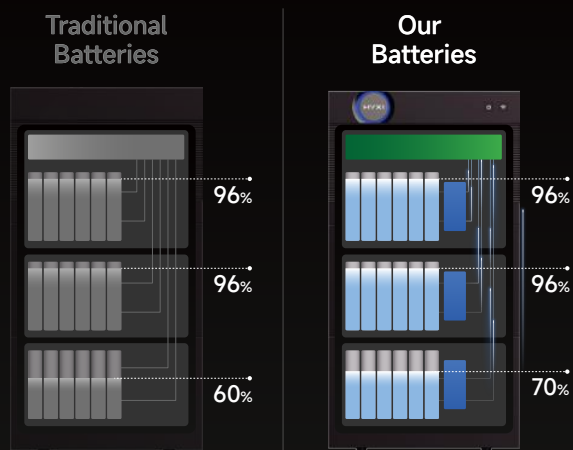
40,000+ Square Meters of Excellence



HYXI Halo Micro ESS

Store More, Earn More

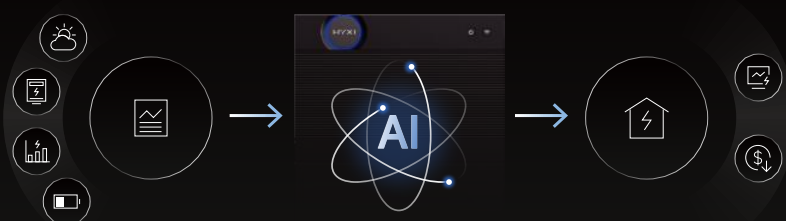
Smart Balancing for Longer Battery Life



3kWh Battery Storage Capacity



AI-Optimized Energy Usage

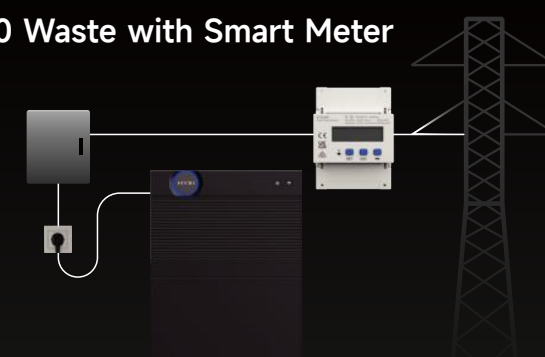


Ultimate Safety



- Auto-Extinguisher System
- Automotive-Grade BMS
- Advanced Thermal Control

0 Waste with Smart Meter



Compatible with



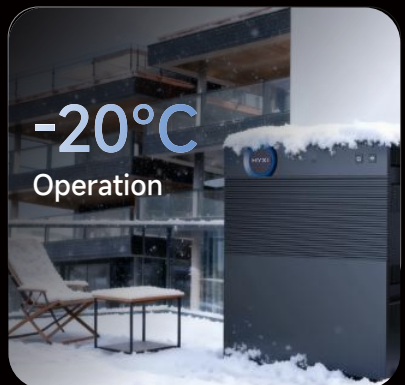
VPP-Powered Energy Gains



3000W Bidirectional Inverter Integrated



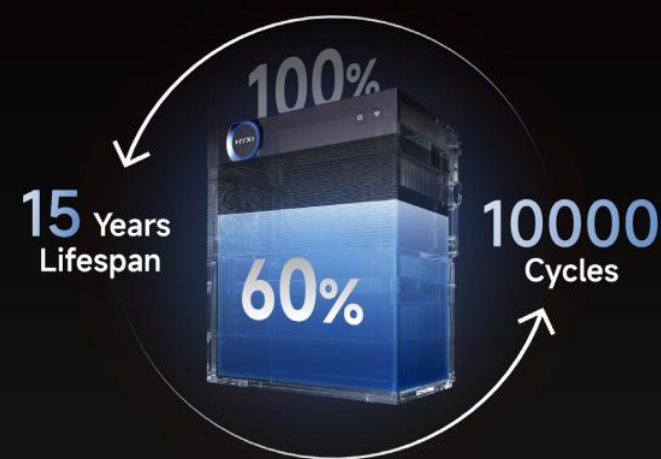
-20°C Operation



IP66

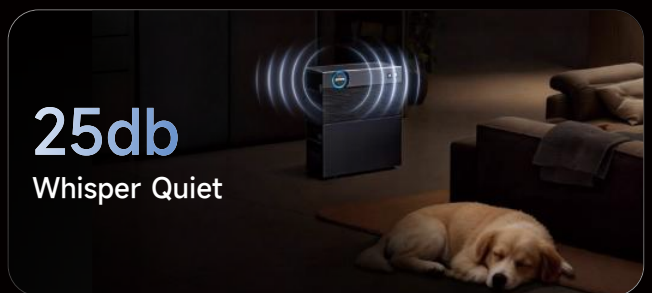


10000 Life Cycles Built to Last



15 Years Lifespan

25db Whisper Quiet



5mins Setup



HYXI Halo

AC-Coupled Micro ESS

MS3000AC + MS3000B

Advanced Performance

- 3014Wh | 10000 Cycles | 10-Year Warranty
- Operates at -20°C with Self-Heating
- 3000W Bidirectional Inverter Integrated
- 3000W Off Grid Power for Portable Use

Flexible Adaptability

- Up to 18.086kWh Stackable Capacity
- Multi-Scenario Use
- Smart Meter Optimization
- Works with Any Solar System

Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

HYXI Halo AC-Coupled Micro ESS

Model	HYX-MS3000AC
AC Output (On-Grid Terminal)	
Nominal Output Apparent Power	800VA (Default) /1,500VA (*Premium)
Max. AC Output Apparent Power	1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)
Rated AC Output Voltage/Range	220V or 230V or 240V/183V ~ 276V
Nominal AC Frequency/Range	50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz
Rated AC Output Current	3.64A/3.48A/3.34A (Default) 6.82A/6.53A/6.25A (*Premium)
Max. AC Output Current	6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.05A/12.50A (With Extension Battery Pack)
Power Factor Range	> 0.99 (Default) /0.8 Leading...0.8 Lagging (Adjustable)
THDi (Rated Power)	< 3%
AC Input (On-Grid Terminal)	
Max. AC Input Apparent Power	1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)
Rated AC Input Voltage/Range	220V or 230V or 240V/183V ~ 276V
Nominal AC Frequency/Range	50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz
Rated AC Input Current	6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.0A/12.50A (With Extension Battery Pack)
Power Factor Range	> 0.99 (Default) /0.8 Leading...0.8 Lagging (Adjustable)
THDi (Rated Power)	< 3%
AC Output (Off-Grid Terminal)	
Rated Output Power	1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)
Rated Output Current	6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.05A/12.50A (With Extension Battery Pack)
Rated AC Output Voltage/Frequency	220V/230V/240V, 50Hz/60Hz
THDu (Linear Load)	< 3%
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging/Discharging Power	1,500W (Without Extension Battery Pack) 3,000W (With Extension Battery Pack)
Battery Cycle Life	≥ 10,000 (@25°C±2°C, 60%EOL)*
Other Technical Specifications	
Display	LED & App
Ingress Protection Rating	IP66
Operating Ambient Temperature Range	-20 ~ 55°
Humidity	5% ~ 95% (No Condensing)
Altitude	3,000m
Dimensions (W*H*D)	460*279*281mm
Weight	28kg
Cooling Concept	Natural
Communication	WiFi & Bluetooth

HYXI Halo Battery Pack

Model	HYX-MS3000B
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging/Discharging Power	1,500W/1,500W
Battery Operating Voltage	6V ~ 10.95V
Battery Cycle Life	≥ 10000 (@25°C±2°C, 60%EOL)*
Parallel Capability	5pcs
Other Technical Specifications	
Communication Interfaces	CAN
Dimensions (W*H*D)	460*274*296.5mm
Weight	26kg
Operating Temperature Range	-20°C ~ 55°C
Max. Operating Altitude	3,000m
Relative Humidity	5% ~ 95% (No Condensing)
Installation Style	Floor-Mounted

*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.

HYXI Halo 5

AC-Coupled Micro ESS

HYX-MS5000AC

Advanced Performance

- 5,024Wh | 10,000 Cycles | 10-Year Warranty
- Operates at -20°C with Self-Heating
- 2,500W Bidirectional Inverter Integrated
- 3,000W Off Grid Power for Portable Use

Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

Flexible Adaptability

- Multi-Scenario Use
- Smart Meter Optimization
- Works with Any Solar System

Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

HYXI Halo 5 AC-Coupled Micro ESS 5kWh

Model	HYX-MS5000AC
AC Output (On-Grid Terminal)	
Max. AC Output Apparent Power	2,500VA
Nominal Output Apparent Power	800W (Default)/2,500W (*Premium)
Rated AC Output Voltage/Range	220V or 230V or 240V/183V ~ 276V
Nominal AC Frequency/Range	50Hz/45hZ ~ 55Hz or 60Hz/55Hz ~ 65Hz
Max. AC Output Current	10.42A/10.87A/11.37A
Rated AC Output Current	3.64/3.48/3.34 (Default) 10.42/10.87/11.37 (*Premium)
Power Factor Range	> 0.99 (Default) / 0.8 Leading...0.8 Lagging (Adjustable)
THDi (Rated Power)	< 3%
AC Input (On-Grid Terminal)	
Max. AC Input Apparent Power	2,500VA
Rated AC Input Voltage/Range	220V or 230V or 240V/183V ~ 276V
Nominal AC Frequency/Range	50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz
Power Factor Range	> 0.99(Default)/0.8 Leading...0.8 Lagging (Adjustable)
THDi (Rated Power)	< 3%
AC Output (Off-Grid Terminal)	
Max. AC Output Power	3,000VA, 10s
Rated Output Power	2,500W
Rated Output Current	10.42A/10.87A/11.37A
Rated AC Output Voltage/Frequency	220V/230V/240V, 50Hz/60Hz
THDu (Linear Load)	< 3%
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	16V
Battery Nominal Energy	5,024Wh
Max. Charging/Discharging Power	2,500W
Battery Cycle Life	≥ 10000 (@25°C±2°C, 60%EOL)*
Other Technical Specification	
Display	LED & App
Ingress Protection Rating	IP66
Operating Ambient Temperature Range	-20°C ~ 55°C*
Humidity	5% ~ 95% (No Condensing)
Altitude	3,000m
Dimension (W*H*D)	460*281*279mm
Weight	43kg
Cooling Concept	Natural
Communication	Wi-Fi & Bluetooth

*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.

HYXI Halo PV All-in-One Micro ESS

MS3000 + MS3000B



Advanced Performance

- 4 MPPTs with 2,400W PV Input
- 3,014Wh | 10,000 Cycles | 10-Year Warranty
- 1,500W Bidirectional Inverter Integrated
- 2,300W Off-Grid Power for Portable Use

Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

Flexible Adaptability

- Up to 18.086kWh Stackable Capacity
- Multi-Scenario Use
- Smart Meter Optimization
- Operates at -20°C with Self-Heating

Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

HYXI Halo PV All-in-One Micro ESS

Model	HYX-MS3000
DC Input (PV Terminal)	
Max. PV Input Power	2,400W
Max. PV Input Voltage	60V
MPPT Voltage Range	16V ~ 60V
Start-Up Voltage	20
Max. PV Input Current	4*18A
Max. Input Short Circuit Current Isc	4*25A
No. of MPP Trackers	4
AC Output (On-Grid Terminal)	
Nominal Output Apparent Power	800VA
Max. AC Output Apparent Power	1,500VA (*Premium)
Rated AC Output Voltage/Range	220V or 230V or 240V/183V ~ 276V
Nominal AC Frequency/Range	50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz
Rated AC Output Current	3.64A/3.48A/3.34A
Max. AC Output Current	6.82A/6.53A/6.25A
Power Factor Range	0.8 Leading...0.8 Lagging
THDi (Rated Power)	< 3%
AC Input (On-Grid Terminal)	
Max. AC Input Apparent Power	1,500VA
Max. AC Input Current	6.82A/6.53A/6.25A
Rated AC Input Voltage/Frequency	220V/230V/240V, 50Hz/60Hz
AC Output (Off-Grid Terminal)	
Max. Output Power	1,500VA
Max. AC Output Current	6.82A/6.53A/6.25A
Max. Bypass Output Power	2,300VA
Max. Bypass Output Current	10.46A/10.00A/9.59A
Rated AC Output Voltage/Frequency	220V/230V/240V, 50Hz/60Hz
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging/Discharging Power	1,500W
Battery Cycle Life	≥ 10,000 (@25°C±2°C, 60%EOL)
Other Technical Specifications	
Display	LED & App
Ingress Protection Rating	IP66
Operating Ambient Temperature Range	-20°C ~ 55°C*
Humidity	5% ~ 95% (No Condensing)
Altitude	3,000m
Dimensions (W*H*D)	460*279*281mm
Weight	29kg
Cooling Concept	Natural
Communication	WiFi & Bluetooth

HYXI Halo Battery Pack

Model	HYX-MS3000B
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging/Discharging Power	1,500W/1,500W
Battery Operating Voltage	6V ~ 10.95V
Battery Cycle Life	≥ 10000 (@25°C±2°C, 60%EOL)*
Parallel Capability	5pcs
Other Technical Specifications	
Communication Interfaces	CAN
Dimensions (W*H*D)	460*274*296.5mm
Weight	26kg
Operating Temperature Range	-20°C ~ 55°C
Max. Operating Altitude	3,000m
Relative Humidity	5% ~ 95% (No Condensing)
Installation Style	Floor-Mounted

*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.

Residential ESS



Overview

HYXI Residential ESS combines PV generation and storage for self-consumption.

Supporting both grid-connected and off-grid modes, it is ideal for areas with unstable grids or price fluctuations.

Using high-safety lithium iron phosphate batteries, it ensures stable operation and provides emergency power during outages, offering an efficient and energy-saving energy management solution.

HYXI Aura All-in-One ESS

Single Phase | 3 ~ 12kW
Three Phase | 5 ~ 30kW



Advanced Performance

- 63A Maximum Bypass Current
- Whole-Home Backup without a Gateway
- 0ms Switching Time
- 7/9kWh High-Capacity Battery

Safe & Reliable

- 7-Layer Battery Protection
- Standard Battery Heating
- Automotive-Grade Design & Manufacturing
- 10,000 Life Cycles

Effortless Installation

- Built-In Meter
- Plug-and-Play 10-Minute Installation
- Flexible Stackable Expansion

Intelligent Management

- VPP Ready
- Active Balancing Technology Supported
- AI-Based Electricity Price Scheduling
- Integrate the ChatGPT-5x Model

HYXI Aura Single Phase Energy Controller 3 ~ 6kW

Model	H3K-HSA2	H3K6-HSA2	H4K-HSA2	H4K6-HSA2	H5K-HSA2	H6K-HSA2
DC						
Max. PV Input Power	6,000W (3,000W/3,000W)	7,200W (3,600W/3,600W)	8,000W (4,000W/4,000W)	9,200W (4,600W/4,600W)	10,000W (5,000W/5,000W)	12,000W (6,000W/6,000W)
Max. PV Input Voltage	600V					
MPPT Voltage Range	80 ~ 560V					
Start-Up Voltage	50V					
Max. PV Input Current	2*20A					
Max. Input Short Circuit Current Isc	2*30A					
No. of MPP Trackers	2					
Number of String per MPP Trackers	1					
AC On-Grid Output						
Nominal Output Power	3,000W	3,680W	4,000W	4,600W	5,000W	6,000W
Max. AC Output Apparent Power	3,300VA	3,680VA	4,400VA	4,600VA	5,500VA	6,600VA
Rated AC Output Voltage/Range	220 or 230 or 240/183 ~ 276V					
Nominal AC Frequency/Range	50/45 ~ 55 or 60/55 ~ 65Hz					
Bypass	63A					
Rated AC Output Current	13.6/13.0/12.5A	16.8/16.0/15.4A	18.2/17.4/16.7A	20.9/20.0/19.2A	22.7/21.7/20.8A	27.3/26.1/25.0A
Max. AC Output Current	15.0/14.3/13.8A	16.8/16.0/15.4A	20.0/19.1/18.3A	20.9/20.0/19.2A	25.0/23.9/22.9A	30.0/28.7/27.5A
Power Factor Range	> 0.99/0.8 Leading...0.8 Lagging					
DC Current Injection	< 0.5 % In					
THDi (Rated Power)	< 2%					
AC Off-Grid Output						
Grid Type	220 or 230 or 240/183 ~ 276V					
Nominal Frequency	50/45 ~ 55 or 60/55 ~ 65Hz					
Nominal Output Apparent Power	3,000VA	3,600VA	4,000VA	4,600VA	5,000VA	6,000VA
Max. Continuous Output Apparent Power	3,300VA	3,600VA	4,400VA	4,600VA	5,500VA	6,600VA
Max. Peak Output Apparent Power	6,000VA, 10s	7,200VA, 10s	8,000VA, 10s	9,200VA, 10s	10,000VA, 10s	12,000VA, 10s
Max. Output Current	15.0/14.3/13.8A	16.8/16.0/15.4A	20.0/19.1/18.3A	20.9/20.0/19.2A	25.0/23.9/22.9A	30.0/28.7/27.5A
Transfer Time	0ms					
THDi (Rated Power)	< 2%					
Efficiency						
Max. Efficiency	98.6%					
European Efficiency	98.2%					
MPPT Efficiency	99.9%					
BAT Charged by PV Max. Efficiency	97.7%					
BAT Charged/Discharged to AC Max. Efficiency	97.7%					
Other Technical Specifications						
Display	LED & APP					
Ingress Protection	IP66					
Operating Ambient Temperature Range	-30 ~ 60°C					
Humidity	5% ~ 95% (No Condensing)					
Max. Operating Altitude	4,000m					
Inverter Dimensions (W*H*D)	795*318*260mm					
Inverter Weight	< 38kg					
Cooling	Smart Cooling					
Communication	Wi-Fi/4G/LAN/CAN/RS485					
Noise	< 35dB (A)					
Mounting Method	Floor/Wall Mounted					
Standards						
Safety	IEC62109-1/-2					
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4					
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150					

HYXI Aura Single Phase Energy Controller 8 ~ 12kW

Model	H8K-HSA2	H10K-HSA2	H12K-HSA2
DC			
Max. PV Input Power	16,000W (5,333W/5,333W/5,333W)	20,000W (5,000W/5,000W/5,000W/5,000W)	24,000W (6,000W/6,000W/6,000W/6,000W)
Max. PV Input Voltage	600V		
MPPT Voltage Range	80 ~ 560V		
Start-Up Voltage	50V		
Max. PV Input Current	3*20A	4*20A	4*20A
Max. Input Short Circuit Current Isc	3*30A	4*30A	4*30A
No. of MPP Trackers	3	4	4
Number of String per MPP Trackers	1		
AC On-Grid Output			
Nominal Output Power	8,000W	10,000W	12,000W
Max. AC Output Apparent Power	8,800VA	11,000VA	12,000VA
Rated AC Output Voltage/Range	220 or 230 or 240/183 ~ 276V		
Nominal AC Frequency/Range	50/45 ~ 55 or 60/55 ~ 65Hz		
Bypass	63A		
Rated AC Output Current	36.4/34.8/33.3A	45.4/43.5/41.7A	54.6/52.2/50.0A
Max. AC Output Current	40.0/38.3/36.7A	50.0/47.9/45.9A	54.6/52.2/50.0A
Power Factor Range	> 0.99/0.8 Leading...0.8 Lagging		
DC Current Injection	< 0.5% In		
THDi (Rated Power)	< 2%		
AC Off-Grid Output			
Grid Type	220 or 230 or 240/183 ~ 276V		
Nominal Frequency	50/45 ~ 55 or 60/55 ~ 65Hz		
Nominal Output Apparent Power	8,000VA	10,000VA	12,000VA
Max. Continuous Output Apparent Power	8,800VA	11,000VA	120,000VA
Max. Peak Output Apparent Power	16,000VA, 10s	16,000VA, 10s	16,000VA, 10s
Max. Output Current	40.0/38.3/36.7A	50.0/47.9/45.9A	54.6/52.2/50.0A
Transfer Time	0ms		
THDi (Rated Power)	< 2%		
Efficiency			
Max. Efficiency	98.6%		
European Efficiency	98.2%		
MPPT Efficiency	99.9%		
BAT Charged by PV Max. Efficiency	97.7%		
BAT Charged/Discharged to AC Max. Efficiency	97.7%		
Other Technical Specifications			
Display	LED & APP		
Ingress Protection	IP66		
Operating Ambient Temperature Range	-30 ~ 60°C		
Humidity	5% ~ 95% (No Condensing)		
Max. Operating Altitude	4,000m		
Inverter Dimensions (W*H*D)	795*318*260mm		
Inverter Weight	< 38kg		
Cooling	Smart Cooling		
Communication	Wi-Fi/4G/LAN/CAN/RS485		
Noise	< 35dB (A)		
Mounting Method	Floor/Wall Mounted		
Standards			
Safety	IEC62109-1/-2		
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4		
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150		

HYXI Aura Three Phase Energy Controller 5 ~ 15kW

Model	H5K-HTA2	H6K-HTA2	H8K-HTA2	H9K9-HTA2	H10K-HTA2	H12K-HTA2	H15K-HTA2
DC							
Max. PV Input Power	10,000W (5,000W/5,000W)	12,000W (6,000W/6,000W)	16,000W (8,000W/8,000W)	20,000W (6,667W/6,667W/6,667W)	20,000W (6,667W/6,667W/6,667W)	24,000W (8,000W/8,000W/8,000W)	30,000W (10,000W/10,000W/10,000W)
Max. PV Input Voltage	1,100V						
MPPT Voltage Range	140 ~ 1,000V						
Start-Up Voltage	160V						
Max. PV Input Current	2*20A		2*20A				
Max. Input Short Circuit Current Isc	2*30A		2*30A				
No. of MPP Trackers	2		3				
Number of String per MPP Trackers	1						
AC On-Grid Output							
Nominal Output Power	5,000W	6,000W	8,000W	9,999W	10,000W	12,000W	15,000W
Max. AC Output Apparent Power	5,500VA	6,600VA	8,800VA	9,999VA	11,000VA	13,200VA	16,500VA
Rated AC Output Voltage/Range	3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476						
Nominal AC Frequency/Range	50/45 ~ 55 or 60/55 ~ 65Hz						
Bypass	63A						
Rated AC Output Current	7.6/7.3/7.0A	9.1/8.7/8.4A	12.2/11.6/11.2A	15.2/14.5/13.9A	15.2/14.5/13.9A	18.2/17.4/16.7A	22.8/21.8/20.9A
Max. AC Output Current	8.4/8.0/7.7A	10.0/9.6/9.2A	13.4/12.8/12.3A	15.2/14.5/13.9A	16.7/16.0/15.3A	20.0/19.2/18.4A	25.0/24.0/23.0A
Power Factor Range	> 0.99/0.8 Leading...0.8 Lagging						
DC Current Injection	< 0.5% In						
THDi (Rated Power)	< 2%						
AC Off-Grid Output							
Grid Type	3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476						
Nominal Frequency	50/45 ~ 55 or 60/55 ~ 65Hz						
Nominal Output Apparent Power	5,000W	6,000W	8,000W	9,999W	10,000W	12,000W	15,000W
Max. Continuous Output Apparent Power	5,500VA	6,600VA	8,800VA	9,999VA	11,000VA	13,200VA	16,500VA
Max. Peak Output Apparent Power	10,000VA, 10s	12,000VA, 10s	16,000VA, 10s	20,000VA, 10s	20,000VA, 10s	24,000VA, 10s	30,000VA, 10s
Max. Output Current	8.4/8.0/7.7A	10.0/9.6/9.2A	13.4/12.8/12.3A	9,999VA	16.7/16.0/15.3A	20.0/19.2/18.4A	25.0/24.0/23.0A
Transfer Time	0ms						
THDi (Rated Power)	< 2%						
Efficiency							
Max. Efficiency	98.6%						
European Efficiency	98.2%						
MPPT Efficiency	99.9%						
BAT Charged by PV Max. Efficiency	97.7%						
BAT Charged/Discharged to AC Max. Efficiency	97.7%						
Other Technical Specifications							
Display	LED & APP						
Ingress Protection	IP66						
Operating Ambient Temperature Range	-30 ~ 60°C						
Humidity	0% ~ 100% (Condensing)						
Max. Operating Altitude	4,000m						
Inverter Dimensions (W*H*D)	795*364*266mm						
Inverter Weight	< 38kg						
Cooling	Smart Cooling						
Communication	Wi-Fi/4G/LAN/CAN/RS485						
Noise	< 35dB (A)						
Mounting Method	Floor/Wall Mounted						
Standards							
Safety	IEC62109-1/-2						
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4						
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150						

HYXI Aura Three Phase Energy Controller 20 ~ 30kW

Model	H20K-HTA2	H25K-HTA2	H29K9-HTA2	H30K-HTA2
DC				
Max. PV Input Power	36,000W (9,000W/9,000W/9,000W/9,000W)	45,000W (11,250W/11,250W/11,250W/11,250W)	54,000W (13,500W/13,500W/13,500W/13,500W)	54,000W (13,500W/13,500W/13,500W/13,500W)
Max. PV Input Voltage	1,100V			
MPPT Voltage Range	140 ~ 1,000V			
Start-Up Voltage	160V			
Max. PV Input Current	4*20A			
Max. Input Short Circuit Current Isc	4*30A			
No. of MPP Trackers	4			
Number of String per MPP Trackers	1			
AC On-Grid Output				
Nominal Output Power	20,000W	25,000W	29,999W	30,000W
Max. AC Output Apparent Power	22,000VA	27,500VA	29,999VA	33,000VA
Rated AC Output Voltage/Range	3/N/PE, 220/380, 230/400, 240/415, 304-476			
Nominal AC Frequency/Range	50/45 ~ 55 or 60/55 ~ 65Hz			
Bypass	63A			
Rated AC Output Current	30.4/29.0/27.8A	37.9/26.3/34.8A	45.5/43.5/41.7A	45.5/43.5/41.7A
Max. AC Output Current	33.4/31.9/30.6A	41.7/39.9/38.2A	45.5/43.5/41.7A	50.0/47.9/45.9A
Power Factor Range	> 0.99/0.8 Leading...0.8 Lagging			
DC Current Injection	< 0.5% In			
THDi (Rated Power)	< 2%			
AC Off-Grid Output				
Grid Type	3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476			
Nominal Frequency	50/45 ~ 55 or 60/55 ~ 65Hz			
Nominal Output Apparent Power	20,000W	25,000W	29,999W	30,000W
Max. Continuous Output Apparent Power	22,000VA	27,500VA	29,999VA	33,000VA
Max. Peak Output Apparent Power	30,000VA, 10s	30,000VA, 10s	36,000VA, 10s	36,000VA, 10s
Max. Output Current	33.4/31.9/30.6A	41.7/39.9/38.2A	45.5/43.5/41.7A	50.0/47.9/45.9A
Transfer Time	0ms			
THDi (Rated Power)	< 2%			
Efficiency				
Max. Efficiency	98.6%			
European Efficiency	98.2%			
MPPT Efficiency	99.9%			
BAT Charged by PV Max. Efficiency	97.7%			
BAT Charged/Discharged to AC Max. Efficiency	97.7%			
Other Technical Specifications				
Display	LED & APP			
Ingress Protection	IP66			
Operating Ambient Temperature Range	-30 ~ 60°C			
Humidity	0% ~ 100% (Condensing)			
Max. Operating Altitude	4,000m			
Inverter Dimensions (W*H*D)	795*364*266mm			
Inverter Weight	< 38kg			
Cooling	Smart Cooling			
Communication	Wi-Fi/4G/LAN/CAN/RS485			
Noise	< 35dB (A)			
Mounting Method	Floor/Wall Mounted			
Standards				
Safety	IEC62109-1/-2			
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4			
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150			

HYXI Battery Q Series

Model	BAT-Q7	BAT-Q9
Battery Type	LiFePO4	
Cell Capacity	314Ah	
Cycle Life	10,000	
Total Energy Capacity	7.03kWh	9.04kWh
Usable Energy Capacity	6.82kWh	8.77kWh
DoD	100%	
Max. Charge/Discharge Power	3.5kW	4.6kW
Peak Charge/Discharge Power (10 Seconds)	7.0kW	9.2kW
Max. Output Current	9.3A	12A
Weight	65kg	76kg
Dimensions (W/H/D)	795*269*269mm	
Storage Temperature Range	-25 ~ 60°C	
Operating Temperature Range	-20 ~ 55°C	
Relative Humidity Range	5% ~ 95%	
Max. Operating Altitude	4,000m	
Cooling	Natural Cooling	
System Ingress Protection Rating	IP66	
Installation Method	Floor Standing/Wall-Mounted	
Number of Modules per Controller	1 ~ 6	
Model	BAT-Q-BC	
Operating Voltage Range (Single Phase)	300 ~ 560V	
Operating Voltage Range (Three Phase)	600 ~ 950V	
Weight	9kg	
Dimensions (W/H/D)	795*239*155mm	
Compatible Inverter	HYX-H(3-12)K-HSA2/HYX-H(5-30)K-HTA2	
Communication	CAN	

Single Phase Hybrid Inverter

HYX-H3K/3K6/4K/4K6/5K/6K/8K-HS



Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Level

Profitable & Efficient

- 50V MPPT Start-Up Voltage
- 200% PV Oversizing
- 150% Off-Grid Overload Output for 10s

Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

Smart & Manageable

- Intelligent IV Diagnostics
- Scenario-Based App
- Intelligent Control for Heat Pumps

HYXI Single Phase Hybrid Inverter 3 ~ 4.6kW

Model	HYX-H3K-HS	HYX-H3K6-HS	HYX-H4K-HS	HYX-H4K6-HS
PV Input				
Max. Array Power	6,000W	7,200W	8,000W	9,200W
Max. Input Power	3,000W/1,800W	3,600W/2,160W	4,000W/2,400W	4,600W/2,760W
Max. Input Voltage	600V			
Start-Up Voltage	50V			
MPPT Operating Voltage Range	80 ~ 560V			
Max. Input Current	32A (16/16)			
Max. Short-Circuit Current	48A (24/24)			
Number of MPPTs	2			
PV Input Number (Number of String per MPPT)	2 (1/1)			
AC Input/Output				
Nominal Power	3,000W	3,600W	4,000W	4,600W
Max. Apparent Power	3,300VA	4,000VA	4,400VA	5,060VA
Nominal Current	13.6A	16.3A	18.1A	20.9A
Max. Current	15.0A	18.0A	20.0A	23.0A
Nominal Voltage	1/N/PE, 220/230/240V			
AC Voltage Range	154 ~ 276V			
THDi	< 3%			
Frequency	50/45 ~ 55Hz; 60/55 ~ 65Hz			
Adjustable Power Factor	0.8 Leading...0.8 Lagging			
DC Current Injection	< 0.5% In			
AC Off-Grid Output				
Nominal Output Power	3,000VA	3,600VA	4,000VA	4,600VA
Max. Continues Output Apparent Power	3,300VA	4,000VA	4,400VA	5,060VA
Peak Output Power	4,500W; 10s	5,400W; 10s	6,000W; 10s	6,900W; 10s
Max. Output Current	15.0A	18.0A	20.0A	23.0A
Switch Time	< 10ms			
Battery				
Battery Type	LiFePO4			
Battery Voltage Range	80 ~ 490V			
Max. Charge/Discharge Current	35A			
Max. Charge/Discharge Power	8,000W			
Efficiency				
Max. Efficiency	98.60%			
European Weighted Efficiency	98.20%			
MPPT Efficiency	99.90%			
Battery Charge/Discharge Efficiency	97.50%			
Protection				
DC Insulation Resistance Detection	YES			
Residual Current Monitoring	YES			
DC Reverse Polarity Protection	YES			
DC/AC Surge Protection	Type II			
DC Switch	YES			
Anti-Islanding Protection	YES			
AC Over Current Protection	YES			
AC Short-Circuit Protection	YES			
AC Over Voltage Protection	YES			
Grounded Fault Detection	YES			
General Data				
Operating Temperature Range	-25 ~ 60°C			
Relative Operating Humidity	0 ~ 100%RH			
Max. Operating Altitude	4,000m			
Cooling	Natural Cooling			
Display	LED/App/Web			
Communication	CAN/RS485/WIFI/4G/LAN			
Weight	20kg			
Dimensions (W*H*D)	522*416*177.6mm			
Degree of Protection	IP65			
Mounting	Wall Mounted			

HYXI Single Phase Hybrid Inverter 5 ~ 8kW

Model	HYX-H5K-HS	HYX-H6K-HS	HYX-H8K-HS
PV Input			
Max. Array Power	10,000W	12,000W	16,000W
Max. Input Power	5,000W/3,000W	5,000W/4,600W	6,400W/6,400W
Max. Input Voltage	600V		
Start-Up Voltage	50V		
MPPT Operating Voltage Range	80 ~ 560V		
Max. Input Current	32A (16/16)		
Max. Short-Circuit Current	48A (24/24)		
Number of MPPTs	2		
PV Input number (Number of String Per MPPT)	2 (1/1)		
AC Input/Output			
Nominal Power	5,000W	6,000W	8,000W
Max. Apparent Power	5,500VA	6,600VA	8,800VA
Nominal Current	22.7A	27.2A	36.3A
Max. Current	25.0A	30.0A	40.0A
Nominal Voltage	1/N/PE, 220/230/240V		
AC Voltage Range	154 ~ 276V		
THDi	< 3%		
Frequency	50/45 ~ 55Hz; 60/55 ~ 65Hz		
Adjustable Power Factor	0.8 Leading...0.8 Lagging		
DC Current Injection	< 0.5% In		
AC Off-Grid Output			
Nominal Output Power	5,000VA	6,000VA	8,000VA
Max. Continues Output Apparent Power	5,500VA	6,600VA	8,000VA
Peak Output Power	7,500W; 10s	9,000W; 10s	9600W; 10s
Max. Output Current	25.0A	30.0A	36.3A
Switch Time	< 10ms		
Battery			
Battery Type	LiFePO4		
Battery Voltage Range	80 ~ 490V		
Max. Charge/Discharge Current	35A		
Max. Charge/Discharge Power	8,000W		
Efficiency			
Max. Efficiency	98.60%		
European Weighted Efficiency	98.20%		
MPPT Efficiency	99.90%		
Battery Charge/ Discharge Efficiency	97.50%		
Protection			
DC Insulation Resistance Detection	YES		
Residual Current Monitoring	YES		
DC Reverse Polarity Protection	YES		
DC/AC Surge Protection	Type II		
DC Switch	YES		
Anti-Islanding Protection	YES		
AC Over Current Protection	YES		
AC Short-Circuit Protection	YES		
AC Over Voltage Protection	YES		
Grounded Fault Detection	YES		
General Data			
Operating Temperature Range	-25 ~ 60°C		
Relative Operating Humidity	0 ~ 100%RH		
Max. Operating Altitude	4,000m		
Cooling	Natural Cooling		
Display	LED/App/Web		
Communication	CAN/RS485/WIFI/4G/LAN		
Weight	20kg		
Dimensions (W*H*D)	522*416*177.6mm		
Degree of Protection	IP65		
Mounting	Wall Mounted		

Three Phase Hybrid Inverter

HYX-H5K/6K/8K/10K/12K-HT



Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Ratings

Profitable & Efficient

- 160V MPPT Start-Up Voltage with Wide MPPT Range
- 200% PV Oversizing
- 150% Off-Grid Overload Output for 10s

Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

Smart & Manageable

- Intelligent IV Diagnostics
- Real-Time Energy Monitoring
- Intelligent Control for Heat Pumps

HYXI Three Phase Hybrid Inverter 5 ~ 12kW

Model	HYX-H5K-HT	HYX-H6K-HT	HYX-H8K-HT	HYX-H10K-HT	HYX-H12K-HT
PV Input					
Max. Array Power	10,000W	12,000W	16,000W	20,000W	24,000W
Max. Input Power	5,000W/3,000W	6,000W/4,000W	6,400W/6,400W	6,400W/(4,800W/4,800W)	6,400W/(6,400W/6,400W)
Max. Input Voltage	1,000V				
Start-Up Voltage	160V				
MPPT Operating Voltage Range	140 ~ 980V				
Max. Input Current	36A (18/18)			54A (18/2*18)	
Max. Short-Circuit Current	60A (30/30)			90A (30/2*30)	
Number of MPPTs	2				
PV Input Number (Number of String per MPPT)	2 (1/1)	2 (1/1)	2 (1/1)	3 (1/2)	3 (1/2)
AC Input/Output					
Nominal Output Power	5,000W	6,000W	8,000W	10,000W	12,000W
Max. Output Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA	13,200VA
Max. Input Apparent Power	11,000VA	13,200VA	17,600VA	22,000VA	26,400VA
Nominal Output Voltage	3/N/PE, 220/380V, 230/400V, 240/415V				
Max. Output Current	8.4A	10A	13.4A	16.7A	20A
Max. Input Current	16.7A	20A	26.7A	33.4A	40A
Nominal Output Current	7.6A	9.1A	12.2A	15.2A	18.2A
THDi	< 3%				
Frequency	45 ~ 55Hz; 5 ~ 65Hz				
Adjustable Power Factor	0.8 Leading...0.8 Lagging				
DC Current Injection	< 0.5% In				
AC Off-Grid Output					
Nominal Output Power	5,000VA	6,000VA	8,000VA	10,000VA	12,000VA
Max. Continues Output Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA	13,200VA
Peak Output Power	7,500W/10s	9,000W/10s	12,000W/10s	15,000W/10s	15,000W/10s
Nominal Output Current	7.6A	9.1A	12.2A	15.2A	18.2A
Max. Output Current	11.4A	13.7A	18.2A	22.8A	27.3A
Switch Time	< 10ms				
Battery					
Battery Type	LiFePO4				
Battery Voltage Range	150 ~ 600V				
Max. Charge/Discharge Current	40A				
Max. Charge/Discharge Power	5,500W	6,600W	8,800W	11,000W	13,200W
Efficiency					
Max. Efficiency	98.60%				
European Weighted Efficiency	98.20%				
MPPT Efficiency	99.90%				
Battery Charge/Discharge Efficiency	97.50%				
Protection					
DC Insulation Resistance Detection	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
DC/AC Surge Protection	Type II				
DC Switch	YES				
Anti-Islanding Protection	YES				
AC Over Current Protection	YES				
AC Short-Circuit Protection	YES				
AC Over Voltage Protection	YES				
Grounded Fault Detection	YES				
General Data					
Operating Temperature Range	-30 ~ 60°C				
Relative Operating Humidity	0 ~ 100%RH				
Max. Operating Altitude	4,000m				
Cooling	Natural Cooling				
Display	LED/App/Web				
Communication	CAN/RS485/Wi-Fi/4G/LAN				
Weight	34kg				
Dimensions (W*H*D)	542*478*186mm				
Degree of Protection	IP65				
Mounting	Wall Mounted				

Three Phase Hybrid Inverter

HYX-H15K/20K/25K-HT



Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Ratings

Profitable & Efficient

- 160V MPPT Start-Up Voltage with Wide MPPT Range
- 200% PV Oversizing
- 150% Off-Grid Overload Output for 10s
- 20A MPPT Current

Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

Smart & Manageable

- Intelligent IV Diagnostics
- Real-Time Energy Monitoring
- Intelligent Control for Heat Pumps

HYXI Hybrid Three Phase Inverter 15 ~ 25kW

Model	HYX-H15K-HT	HYX-H20K-HT	HYX-H25K-HT
PV Input			
Max. Array Power	30,000W	40,000W	50,000W
Max. Input Power	(6,000W/6,000W) / (6,000W/6,000W)	(8,000W/8,000W) / (8,000W/8,000W)	(10,000W/10,000W) / (10,000W/10,000W)
Max. Input Voltage	1,100V		
Start-Up Voltage	160V		
MPPT Operating Voltage Range	140 ~ 1,000V		
Max. Input Current	80A (2*20/2*20)		
Max. Short-Circuit Current	100A (2*25/2*25)		
Number of MPPTs	2		
PV Input Number (Number of String per MPPT)	4 (2/2)		
AC Input/Output			
Nominal Input/Output Apparent Power	31,500VA/15,000VA	42,000VA/20,000VA	52,500VA/25,000VA
Max. Input/Output Apparent Power	33,000VA/16,500VA	44,000VA/22,000VA	55,000VA/27,500VA
Nominal Input/Output Current	47.8A/22.8A	63.7A/30.4A	79.5A/37.9A
Max. Input/Output Current	50.0A/25.0A	66.7A/33.4A	83.4A/41.7A
Output Voltage Range	3/N/PE, 220/380V, 230/400V, 240/415V		
Nominal Output Voltage	< 3%		
THDi	304 ~ 476V		
Frequency	50/60Hz		
Adjustable Power Factor	0.8 Leading...0.8 Lagging		
DC Current Injection	< 0.5% In		
AC Off-Grid Output			
Nominal Output Power	15,000W	20,000W	25,000W
Max. Continues Output Apparent Power	16,500VA	22,000VA	27,500VA
Peak Output Power	22,500W/10s	30,000W/10s	30,000W/10s
Nominal Output Current	22.8A	30.4A	37.9A
Max. Output Current	34.1A	45.5A	56.9A
Switch Time	< 10ms		
Battery			
Battery Type	LiFePO4		
Battery Voltage Range	150 ~ 600V		
Max. Charge/Discharge Current	60A		
Max. Charge/Discharge Power	16,500W	22,000W	27,500W
Efficiency			
Max. Efficiency	98.60%		
European Weighted Efficiency	98.20%		
MPPT Efficiency	99.90%		
Battery Charge/Discharge Efficiency	97.70%		
Protection			
DC Insulation Resistance Detection	YES		
Residual Current Monitoring	YES		
DC Reverse Polarity Protection	YES		
DC/AC Surge Protection	Type II		
DC Switch	YES		
Anti-Islanding Protection	YES		
AC Over Current Protection	YES		
AC Short-Circuit Protection	YES		
AC Over Voltage Protection	YES		
Grounded Fault Detection	YES		
General Data			
Operating Temperature Range	-30 ~ 60°C		
Relative Operating Humidity	0 ~ 100%RH		
Max. Operating Altitude	4,000m		
Cooling	Natural Cooling	Fan Cooling	Fan Cooling
Display	LED/App/Web		
Communication	CAN/RS485/PLC/Wi-Fi/4G/LAN		
Weight	45kg		
Dimensions (W*H*D)	658*523*220mm		
Degree of Protection	IP65		
Mounting	Wall Mounted		



High Voltage Battery

E50/100/150/200/250/300/400/500-H2

Safe & Reliable

- A+ Grade Cells & Automotive Grade Standard
- Smoke Detection & Active Pressure Relief
- IP65 & C4 Protection Level

Convenient & User-Friendly

- Flat Design
- Quick-Plug Interface
- Stackable Design for 5 ~ 50kWh Capacity

Efficient & Durable

- 32A Charging/Discharging Current
- 6,000+ Life Cycles

Smart & Manageable

- Automotive Grade BMS
- Scenario-Based App
- AI Powered Cloud with 24/7 Alerts and Optimization

HYXI High Voltage Battery H2

Battery System	HYX-E50-H2	HYX-E100-H2	HYX-E150-H2	HYX-E200-H2
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh
Usable Capacity ¹	5kWh	10kWh	15kWh	20kWh
Nominal Voltage	102.4V	204.8V	307.2V	409.6V
Working Voltage	86.4 ~ 115.2V	172.8 ~ 230.4V	259.2 ~ 345.6V	345.6 ~ 460.8V
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW
DoD	95%			
Cell Type	LiFePO4			
Max. Charging/Discharging Current	60A	32A	32A	32A
SOC Indicator	4*LED (25%, 50%, 75%, 100%)			
State Indicator	2*LED (Work, Alarm)			
Communication	CAN, RS485			
Working Temperature	-10 ~ 50°C			
Ingress Protection Rating	IP65 (PACK IP67)			
Working Humidity	5 ~ 95%RH			
Working Altitude	< 4,000m			
Calendar Life	> 6,000 (70%EOL)			
Dimensions (W*H*D)	700*600*200mm	700*950*200mm	700*1,300*200mm	700*1,650*200mm
Net Weight	BDU (9kg) *1+PACK (44kg) *N+Base (5.6kg) *1			
Alarms	Over Charge/Over Discharge/Over Current/Over Temperature/Short Circuit			
Warranty	10 Years			

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.

Battery System	HYX-E250-H2	HYX-E300-H2	HYX-E400-H2	HYX-E500-H2
Total Battery Capacity	26.5kWh	31.8kWh	42.4kWh	53kWh
Usable Capacity ¹	25kWh	30kWh	40kWh	50kWh
Nominal Voltage	512V	307.2V	409.6V	512V
Working Voltage	432 ~ 576V	259.2 ~ 345.6V	345.6 ~ 460.8V	432 ~ 576V
Nominal Output Power	15.0kW	18.0kW	24.0kW	30.0kW
DoD	95%			
Cell Type	LiFePO4			
Max. Charging/Discharging Current	32A			
SOC Indicator	4*LED (25%, 50%, 75%, 100%)			
State Indicator	2*LED (Work, Alarm)			
Communication	CAN, RS485			
Working Temperature	-10 ~ 50°C			
Ingress Protection Rating	IP65 (PACK IP67)			
Working Humidity	5 ~ 95%RH			
Working Altitude	< 4,000m			
Calendar Life	> 6,000 (70%EOL)			
Dimensions (W*H*D)	700*2,000*200mm	Master: 700*1,350*200mm Slave: 700*1,300*200mm	Master: 700*1,700*200mm Slave: 700*1,650*200mm	Master: 700*2,050*200mm Slave: 700*2,000*200mm
Net Weight	BDU (9kg) *1+PACK (44kg) *N+Base (5.6kg) *1			
Alarms	Over Charge/Over Discharge/Over Current/Over Temperature/Short Circuit			
Warranty	10 Years			

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.

Low Voltage Single Phase Hybrid Inverter

HXY-H6/8K-LS



High Performance

- 90-280V Wide Voltage Range of Grid
- 80% Efficiency at 50°C
- Max. 18A MPPT Current
- 60V Start-Up MPPT Voltage

High Quality

- IP66 Protection Level
- 5-Year Warranty
- Type II DC and AC Surge Protection

Flexible Solution

- Diesel Generator Supported
- Max. 6 Units Parallel for On/Off-Grid Operation
- Dual AC Output With Smart Load Management
- Compatible With Multiple Battery Brands

Easy Installation

- Lightweight 16kg
- Built-in Wi-Fi and Metering Module
- Single-Person Installation Supported
- Wall-Mounted in 1 Minute

HYXI Low Voltage Single Phase Hybrid Inverter 6 ~ 8kW

Model	HXY-H6K-LS	HXY-H8K-LS
Battery Data		
Battery Type	Lithium-ion & Lead-acid	
Rated Battery Voltage	48V	
Battery Voltage Range	40 ~ 60V	
Max. Charging/Discharging Current	125/125V	165/165V
Charging Strategy for Li-ion Battery	Self-Adaption to BMS	
PV Input Data		
Max. MPPT Input Power	12,000W	
Max. PV Input Voltage	500V	
Rated PV Input Voltage	370V	
Start-Up Voltage	60V	
MPPT Voltage Range	60 ~ 450V	
No. of MPPT/ Strings per MPPT	2/1+1	
Max. PV Input Current per MPPT	18+18	
Max. Short Circuit Current per MPPT	27+27	
AC Input Data (Grid and Generator)		
Rated AC Input Voltage	220/230/240V	
Rated AC Input Voltage Range	90 ~ 280V	
Rated Input Frequency	50/60Hz	
Max. AC Input Current	40A	50A
Total Current Harmonic Distortion (THDI)	< 3%	
Backup Data		
Rated Output Power	6,000W	8,000W
Rated AC Output Current	27A	35A
Rated Output Frequency	50/60Hz	
Peak Power	1.5 Times of Rated Power, 10s; 2 Times of Rated Power, 5s; More than 2 Times of Rated Power, 100ms	
Switch Time	20ms	
Total Current Harmonic Distortion (THDI)	< 3%	
Efficiency		
Max. Efficiency	97.00%	
MPPT Efficiency	99.90%	
Protection		
Integrated Protections	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Power Network Monitoring, Earth Fault Detection	
Surge Protection Level	Type III(DC), Type II(AC)	
Over Voltage Category	OVC II (DC), OVC III (AC)	
General Data		
Operating Temperature Range	-40 ~ 60°C (Above 45°C Derating)	
Dimensions (W*H*D)	430*350*177.8mm	
Weight	16kg	
Topology	Non-Isolated	
Cooling	Smart Air Cooling	
Max. Operating Altitude	3000m	
Protection Level	IP66	
Communication	RS485/CAN/Dry Contact/External Battery NTC/Parallel Communication/WIFI (Built-in)	
Warranty	5 Years	
Safety/EMC	IEC 62109-1/-2, EN61000-6-1:2019, EN61000-6-3:2021, EN61000-3-11:2019, EN61000-3-12:2011	
Efficiency Standard	IEC 61683:1999	

Low Voltage Battery

HYX-E50-LR



Safe & Efficient

- High Security and Excellent Efficiency
- Compatible with CAN/485 Communication
- High Capacity, High Power Output

Flexible & Maintainable

- Simple Structure, Easy for Installation and Maintenance
- Modular Design, Max. 16 Units for Expansion

HYXI Low Voltage Battery 5kWh

Model	HYX-E50-LR
Performance	
Battery Type	Lithium-ion
Rated Energy*	5.12kWh
Rated Voltage	51.2Vdc
Rated Capacity	100 (1C) Ah
Rated Charge Current	50A
Rated Discharge Current	50A
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A
Communication	RS485/CAN2.0
Display	LED Display
Cycle Life	6000 Cycles (90%DoD 70%SOH)
Protection	Double Safety Control (BMS, Circuit Protection), Over-Temperature Protection, Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection
Parallel Connection	Up to 16 Units (81.92kWh)
Mechanical	
Dimensions (W*H*D)	443*133*492mm
Weight	41kg
Environment	
Storage Environment Temperature	-10 ~ 50°C
Discharge Temperature	-10 ~ 50°C
Charge Temperature	0 ~ 50°C
Relative Humidity	5% ~ 95%
Protection Level	IP20
Altitude	≤ 3000m
Cooling	Natural Cooling
Installation	Floor-Mounted, Wall-Mounted
Certification	
Others	UN 38.3

*Test Conditions - Temperature 25°C, at the Beginning of Life.

Low Voltage Battery

HYX-E160-L



Safe & Efficient

- High Security and Excellent Efficiency
- Compatible with CAN/485 Communication
- High Capacity, High Power Output

Flexible & Maintainable

- Simple Structure, Easy for Installation and Maintenance
- Modular Design, Max. 15 Units for Expansion

HYXI Low Voltage Battery 16kWh

Model	HYX-E160-L
Performance	
Battery Type	Lithium-ion
Rated Energy*	16.07kWh
Rated Voltage	51.2Vdc
Rated Capacity	314Ah
Rated Charge Current	157A
Rated Discharge Current	157A
Max. Continuous Charge Current	200A
Max. Continuous Discharge Current	200A
Communication	RS485/CAN2.0
Display	LED Display
Cycle Life	6000 Cycles (90%DOD 80%SOH)
Protection	Double Safety Control (BMS, Circuit Protection), Over-Temperature Protection, Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection
Parallel Connection	Up to 15 Units (241.05kWh)
Mechanical	
Dimensions (W*H*D)	490*830*230mm
Weight	130kg
Environment	
Storage Environment Temperature	-20 ~ 60°C
Discharge Temperature	-20 ~ 55°C
Charge Temperature	0 ~ +55°C
Relative Humidity	≤ 85%
Protection Level	IP20
Altitude	≤2000m
Cooling	Natural Cooling
Installation	Floor-Mounted
Certification	
Others	UN 38.3

*Test Conditions - Temperature 25°C, at the Beginning of Life.

Microinverter

Overview

HYXI Microinverter series is an integrated, modular solution for balcony and residential systems, combining efficient power generation with flexible energy storage.

The microinverter enables module-level MPPT for higher yield, precise monitoring, and fast fault isolation, with an ultra-slim IP67 design for safe and reliable operation.

Microinverter

HYX-M300/400/500-S
HYX-M300/400/500-SW



Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT with 500VA Output Power
- 16A High-Current Design

Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

HYXI 1-in-1 Microinverter 300 ~ 500W

Model	HYX-M300-S/SW	HYX-M400-S/SW	HYX-M500-S/SW
DC Input			
Typical Module Compatibility	240 ~ 450W	320 ~ 600W	400 ~ 670W
Min./Max. MPPT Voltage		16 ~ 60V	
Max. Input Voltage		65V	
Start-Up Input Voltage		20V	
Max. Input Current		16A	
Max. Short-Circuit DC Input Current		20A	
AC Output			
Nominal Output Power	300VA	400VA	500VA
Nominal Output Current	1.36A/1.30A/1.25A	1.82A/1.74A/1.67A	2.27A/2.17A/2.08A
Nominal Output Voltage		220V/230V/240V	
Adjustable Output Voltage Range		183 ~ 276V	
Nominal Frequency		50/60Hz	
Adjustable Output Frequency Range		45 ~ 55Hz, 55 ~ 65Hz	
Power Factor (Default/Adjustable)		> 0.99/0.8 leading...0.8 lagging	
THDi		< 3%	
Max. Units per 10AWG Branch	20/21/22	15/16/16	12/12/13
Max. Units per 12AWG Branch	15/16/17	11/12/13	9/10/10
Efficiency			
Peak Efficiency		96.70%	
Nominal MPPT Efficiency		99.80%	
Night-Time Power Loss		< 30mW	
General Data			
Operating Ambient Temperature		-40 ~ 65°C	
Dimensions (W*H*D)		188*178*25mm	
Degree of Protection		IP67	
Cooling		Natural Cooling, No Fans	
Weight		1.7kg	
Features			
Communication*		Sub-1G/Built-In Wi-Fi	
Type of Isolation		High Frequency Transformers, Galvanically Isolated	
Warranty		12 Years Standard, 25 Years Optional	
Protection			
Input Reverse Connection Protection		YES	
Output Overcurrent Protection		YES	
Output Overvoltage Protection		YES	
Anti-Islanding Protection		YES	
Output Short-Circuit Protection		YES	

1: Sub-1G: HYX-M600/800/1000-S, Built-in Wi-Fi: HYX-M600/800/1000-SW

Nominal voltage/frequency ranges may vary depending on local requirements.

Refer to local requirements for the exact number of microinverters per branch.

2-in-1 Microinverter

HYX-M600/800/1000-S
HYX-M600/800/1000-SW



Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT
- 1,000VA Output Power
- 16A High-Current Design

Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

HYXI 2-in-1 Microinverter 600 ~ 1000W

Model	HYXI-M600-S/SW	HYXI-M800-S/SW	HYXI-M1000-S/SW
Input (DC)			
Typical Module Compatibility	240 ~ 450"W	320 ~ 600"W	400 ~ 670"W
Min. /Max. MPPT Voltage		16 ~ 60V	
Max. Input Voltage		65V	
Start-Up Input Voltage		20V	
Max. Input Current		2*16A	
Max. Short-Circuit DC Input Current		2*20A	
Output (AC)			
Nominal Output Power	600VA	800VA	1000VA
Nominal Output Current	2.73A/2.61A/2.5A	3.64A/3.48A/3.33A	4.55A/4.35A/4.17A
Nominal Output Voltage		220V/230V/240V	
Adjustable Output Voltage Range		183 ~ 276V	
Nominal Frequency		50/60Hz	
Adjustable Output Frequency Range		45 ~ 55Hz, 55 ~ 65Hz	
Power Factor (Default/Adjustable)		> 0.99/0.8 Leading...0.8 Lagging	
THDi		< 3%	
Max. Units per 10AWG Branch	10/10/11	7/8/8	6/6/6
Max. Units per 12AWG Branch	7/8/8	5/6/6	4/5/5
Efficiency			
Peak Efficiency		96.70%	
Nominal MPPT Efficiency		99.80%	
Night-Time Power Loss		< 30mW	
General Data			
Operating Ambient Temperature		- 40 ~ 65°C	
Dimensions (W*H*D)		252*180*35mm	
Degree of Protection		IP67	
Cooling		Natural Cooling - No Fans	
Weight		3kg	
Features			
Communication ¹		Sub-1G/Built-In WiFi	
Type of Isolation		High Frequency Transformers, Galvanically Isolated	
Warranty		12 Years Standard, 25 Years Optional	
Protection			
Input Reverse Connection Protection		YES	
Output Overcurrent Protection		YES	
Output Overvoltage Protection		YES	
Anti-Islanding Protection		YES	
Output Short-Circuit Protection		YES	

1: Sub-1G: HYX-M600/800/1000-S, Built-in Wi-Fi: HYX-M600/800/1000-SW

Nominal voltage/frequency ranges may vary depending on local requirements.

Refer to local requirements for the exact number of microinverters per branch.

4-in-1 Microinverter

HYX-M1600/1800/2000-S

HYX-M1600/1800/2000-SW



Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT
- 2,000VA Output Power
- 16A High-Current Design

Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

HYXI 4-in-1 Microinverter 1600 ~ 2000W

Model	HYXI-M1600-S/SW	HYXI-M1800-S/SW	HYXI-M2000-S/SW
Input (DC)			
Typical Module Compatibility	320 ~ 600"W	360 ~ 670"W	400 ~ 670"W
Min. /Max. MPPT Voltage		16 ~ 60V	
Max. Input Voltage		65V	
Start-Up Input Voltage		20V	
Max. Input Current		4*16A	
Max. Short-Circuit DC Input Current		4*20A	
Output (AC)			
Nominal Output Power	1,600VA	1,800VA	2,000VA
Nominal Output Current	7.27A/6.96A/6.67A	8.18A/7.83A/7.50A	9.09A/8.70A/8.33A
Nominal Output Voltage		220V/230V/240V	
Adjustable Output Voltage Range		183 ~ 276V	
Nominal Frequency		50/60Hz	
Adjustable Output Frequency Range		45 ~ 55Hz, 55 ~ 65Hz	
Power Factor (Default/Adjustable)		> 0.99/0.8 Leading...0.8 Lagging	
THDi		< 3%	
Max. Units per 10AWG Branch	3/4/4	3/3/3	3/3/3
Max. Units per 12AWG Branch	2/3/3	2/2/2	2/2/2
Efficiency			
Peak Efficiency		96.70%	
Nominal MPPT Efficiency		99.80%	
Night-Time Power Loss		< 30mW	
General Data			
Operating Ambient Temperature		- 40 ~ 65°C	
Dimensions (W*H*D)		310*236*35.5mm	
Degree of Protection		IP67	
Cooling		Natural Cooling - No Fans	
Weight		5kg	
Features			
Communication ¹		Sub-1G/Built-In WiFi	
Type of Isolation		High Frequency Transformers, Galvanically Isolated	
Warranty		12 Years Standard, 25 Years Optional	
Protection			
Input Reverse Connection Protection		YES	
Output Overcurrent Protection		YES	
Output Overvoltage Protection		YES	
Anti-Islanding Protection		YES	
Output Short-Circuit Protection		YES	

1: Sub-1G: HYX-M1600/1800/2000-S, Built-in Wi-Fi: HYX-M1600/1800/2000-SW

Nominal voltage/frequency ranges may vary depending on local requirements.

Refer to local requirements for the exact number of microinverters per branch.

4-in-1 Microinverter

HYX-M2500D-SW



Safe & Reliable

- Safety Protection Relay Integrated
- Integrated Safety Protection Relay
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

Efficient & Optimized

- 20V Start-Up with 150% Overload
- 4 PV Modules with 2,500VA Output Power
- 18A High-Current Design
- Non-Derating Under 50°C

Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Wi-Fi Mesh for Stable Connectivity

Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

HYXI 4-in-1 Microinverter 2500W

Model	HYX-M2500D-SW
DC Input	
Typical Module Compatibility	500 ~ 790W
MPPT Voltage Range	16 ~ 60V
Max. Input Voltage	65V
Start-Up Voltage	20V
Max. PV Input Current	18A
Max. Short-Circuit DC Input Current	25A
No. of MPP Trackers	2
Strings per MPP Tracker	2
AC Output	
Nominal Output Power	2,500VA
Nominal Output Current	11.37A/10.87A/10.42A
Nominal Output Voltage	220V/230V/240V
Adjustable Output Voltage Range	176 ~ 288V
Nominal Frequency	50/60Hz
Adjustable Output Frequency Range	45 ~ 55Hz, 55 ~ 65Hz
Power Factor (Default/Adjustable)	> 0.99/0.8 leading...0.8 lagging
THDi	< 3%
Max. Units per 10AWG Branch	2/2/2
Efficiency	
Peak Efficiency	97.20%
Nominal MPPT Efficiency	99.90%
Night-Time Power Loss	< 70mW
General Data	
Operating Ambient Temperature	-40 ~ 75°C
Dimensions (W*H*D)	340*229*40.5mm
Degree of Protection	IP67
Cooling	Natural Cooling, No Fans
Weight	5.8kg
Features	
Communication	Built-In Wi-Fi
Type of Isolation	High Frequency Transformers, Galvanically Isolated
Warranty	12 Years Standard, 25 Years Optional
Protection	
Input Reverse Connection Protection	YES
Output Overcurrent Protection	YES
Output Overvoltage Protection	YES
Anti-Islanding Protection	YES
Output Short-Circuit Protection	YES

*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.

Residential String Inverter



Overview

HYXI Residential String Inverter PV enhances system reliability and power generation efficiency through a design where each module operates independently.

Its flexible configuration adapts to various roof types, offering easy installation and suitability for different household scenarios.

Combined with inverters and real-time monitoring, the system enables efficient energy management, optimizes power generation, reduces electricity costs, and helps users maximize self-consumption of green energy.

HYXI EcoSavvy

Single Phase String Inverter

HYX-S2K/2K5/3K/3K6-S2



High Efficiency

- 98.3% Industry-Leading Efficiency
- Low Loss SiC Technology

Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

User-Friendly Design

- 4.5kg, One Hand Installation
- 24dB Ultra Quiet Operation
- Optional LCD, Direct Control

HYXI EcoSavvy Single Phase String Inverter 2 ~ 3.6kW

Model	HYX-S2K-S2	HYX-S2K5-S2	HYX-S3K-S2	HYX-S3K6-S2
PV Input				
Max. Input Power	3,200W	4,000W	4,800W	5,760W
Max. Input Voltage			600V	
Nominal Input Voltage			360V	
Start-Up Voltage			40V	
MPPT Operating Voltage Range			40 ~ 560V	
MPPT Full Load Voltage Range	200 ~ 450V	240 ~ 450V	280 ~ 450V	300 ~ 450V
Max. Input Current per MPPT			20A	
Max. Short-Circuit Current			25A	
Number of MPPT			1	
Max. Input Number per MPPT			1	
AC Output				
Nominal Output Power	2,000W	2,500W	3,000W	3,600W
Max. Apparent Power	2,200VA	2,750VA	3,300VA	3,600VA
Nominal Output Voltage			1/N/PE, 220V/230V/240V	
Nominal AC Grid Frequency			50Hz/60Hz	
Nominal Output Current	9A	11.3A	13.6A	16.3A
Max. Output Current	10A	12.5A	15A	16.3A
Adjustable Power Factor			0.8 Leading...0.8 Lagging	
THDi			< 3%	
Efficiency				
Max. Efficiency			98.3%	
European Weighted Efficiency			97.6%	
MPPT Efficiency			99.9%	
Protection				
Active Anti-Islanding Protection			YES	
Residual Current Monitoring			YES	
DC Reverse Polarity Protection			YES	
DC Switch			YES	
AC Short-Circuit Protection			YES	
AC Overvoltage Protection			YES	
AC Overcurrent Protection			YES	
DC Surge Protection			Type II	
AC Surge Protection			Type II	
Ground Fault Detection			YES	
AFCI			YES	
General Data				
Operating Temperature Range			-25 ~ 60°C	
Relative Operating Humidity			0 ~ 100%RH	
Operating Altitude			4,000m	
Cooling			Natural Cooling	
Display			LED+App (LCD Optional)	
Communication			RS485/4G (Optional) /Wi-Fi	
Weight			≤ 4.5kg	
Dimensions (W*H*D)			274*234*109mm	
Topology			Non-Isolated	
Degree of Protection			IP66	
Overvoltage Level			PV II/AC III	

HYXI EcoSavvy Single Phase String Inverter

HYX-S5K/6K/7K3/7K5-S2



High Efficiency

- 98.4% Industry-Leading Efficiency
- Low Loss SiC Technology

Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

User-Friendly Design

- 7kg, One Hand Installation
- Optional LCD, Direct Control

HYXI EcoSavvy Single Phase String Inverter 5 ~ 7.5kW

Model	HYX-S5K-S2	HYX-S6K-S2	HYX-S7K3-S2	HYX-S7K5-S2
PV Input				
Max. Input Power	10,000W	12,000W	14,600W	15,000W
Max. Input Voltage			600V	
Nominal Input Voltage			360V	
Start-Up Voltage			50V	
MPPT Operating Voltage Range			40 ~ 560V	
Max. Input Current per MPPT			20A	
Max. Short-Circuit Current			25A	
Number of MPPT			2	
Max. Input Number per MPPT			1	
AC Output				
Nominal Output Power	5,000W	6,000W	7,300W	7,500W
Max. Apparent Power	5,500VA	6,600VA	7,300VA	7,500VA
Nominal Output Voltage			220V/230V, 140 ~ 300V	
Nominal AC Grid Frequency			50/60Hz	
Nominal Output Current	22.7A	27.3A	33.2A	34A
Max. Output Current	25A	30A	33.2A	34A
Adjustable Power Factor			0.8 leading...0.8 lagging	
THDi			< 3%	
Efficiency				
Max. Efficiency			98.4%	
European Weighted Efficiency			97.6%	
MPPT Efficiency			99.9%	
Protection				
Active Anti-Islanding Protection			YES	
Residual Current Monitoring			YES	
DC Switch			YES	
AC Short-Circuit Protection			YES	
AC Overvoltage Protection			YES	
AC Overcurrent Protection			YES	
DC Surge Protection			Type II	
AC Surge Protection			Type II	
Ground Fault Detection			YES	
AFCI			YES	
General Data				
Operating Temperature Range			-25 ~ 60°C	
Relative Operating Humidity			0 ~ 100%RH	
Operating Altitude			4000m	
Cooling			Natural Cooling	
Display			LED+App(LCD Optional)	
Communication			RS485/4G/WIFI	
Weight			7kg	
Dimensions (W*H*D)			320*255*150mm	
Topology			Non-Isolated	
Degree of Protection			IP66	
Overvoltage Level			PV II/AC III	

HYXI EcoSavvy

Single Phase String Inverter

HYX-S8K/9K/10K/10K5-S2



High Efficiency

- 98.5% Industry-Leading Efficiency
- Low Loss SiC Technology

Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

User-Friendly Design

- 14.5kg, Easy Installation
- Scenario-Based APP
- Real-Time Monitoring

HYXI EcoSavvy Single Phase String Inverter 8 ~ 10.5kW

Model	HYX-S8K-S2	HYX-S10K-S2	HYX-S10K5-S2
PV Input			
Max. Input Power	16,000W	20,000W	21,000W
Max. Input Voltage		600V	
Nominal Input Voltage		360V	
Start-Up Voltage		50V	
MPPT Operating Voltage Range		40 ~ 560V	
Max. Input Current per MPPT		20A / 32A	
Max. Short-Circuit Current		25A / 50A	
Number of MPPT		2	
Max. Input Number per MPPT		1/2	
AC Output			
Nominal Output Power	8,000W	10,000W	10,500W
Max. Apparent Power	8,800VA	10,500VA	10,500VA
Nominal Output Voltage		220V/230V, 140 ~ 300V	
Nominal AC Grid Frequency		50/60Hz	
Nominal Output Current	36.4A	45.5A	47.7A
Max. Output Current	40A	47.7A	47.7A
Adjustable Power Factor		0.8 leading...0.8 lagging	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		97.8%	
MPPT Efficiency		99.9%	
Protection			
Active Anti-Islanding Protection		YES	
Residual Current Monitoring		YES	
DC Switch		YES	
AC Short-Circuit Protection		YES	
AC Overvoltage Protection		YES	
AC Overcurrent Protection		YES	
DC Surge Protection		Type II	
AC Surge Protection		Type II	
Ground Fault Detection		YES	
AFCI		YES	
General Data			
Operating Temperature Range		-25 ~ 60°C	
Relative Operating Humidity		0 ~ 100%RH	
Operating Altitude		4000m	
Cooling		Natural Cooling	
Display		LED+App	
Communication		RS485/4G/WIFI	
Weight		14.5kg	
Dimensions (W*H*D)		340*360*136mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II/AC III	

Single Phase String Inverter

HYX-S3K/3K6/4K/4K6/5K/6K/7K5-S



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 98.2% Efficiency with Wide MPPT Range
- 18A Design, Ideal for High-Power Modules

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

HYXI Single Phase String Inverter 3 ~ 4.6kW

Model	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S
PV Input				
Max. Input Power	4,800W	5,760W	6,400W	7,360W
Max. Input Voltage		600V		
Nominal Input Voltage		360V		
Start-Up Voltage		100V		
MPPT Operating Voltage Range		80 ~ 560V		
Max. Input Current per MPPT		18A		
Max. Short-Circuit Current		24A		
Number of MPPT		2		
Max. Input Number per MPPT		1		
AC Output				
Nominal Output Power	3,000W	3,600W	4,000W	4,600W
Max. Apparent Power	3,300VA	3,960VA	4,400VA	5,060VA
Nominal Output Voltage		1/N/PE, 220V/230V/240V		
Nominal AC Grid Frequency		50Hz/60Hz		
Nominal Output Current	13.6A	16.4A	18.2A	20.9A
Max. Output Current	15.0A	18.0A	20.0A	23.0A
Adjustable Power Factor		0.8 Leading...0.8 Lagging		
THDi		< 3%		
Efficiency				
Max. Efficiency		98.2%		
European Weighted Efficiency		97.6%		
MPPT Efficiency		99.9%		
Protection				
Active Anti-Islanding Protection		YES		
Residual Current Monitoring		YES		
DC Reverse Polarity Protection		YES		
DC Switch		YES		
AC Short-Circuit Protection		YES		
AC Overvoltage Protection		YES		
AC Overcurrent Protection		YES		
DC Surge Protection		Type II		
AC Surge Protection		Type II		
Ground Fault Detection		YES		
AFCI		YES		
General Data				
Operating Temperature Range		-25 ~ 60°C		
Relative Operating Humidity		0 ~ 100%RH		
Operating Altitude		4,000m		
Cooling		Natural Cooling		
Display		LED+App		
Communication		RS485/4G/Wi-Fi		
Weight		11.6kg		
Dimensions (W*H*D)		340*360*136mm		
Topology		Non-Isolated		
Degree of Protection		IP66		
Overvoltage Level		PV II/AC III		

HYXI Single Phase String Inverter 5 ~ 7.5kW

Model	HYX-S5K-S	HYX-S6K-S	HYX-S7K5-S
PV Input			
Max. Input Power	8,000W	9,600W	12,000W
Max. Input Voltage		600V	
Nominal Input Voltage		360V	
Start-Up Voltage		100V	
MPPT Operating Voltage Range		80 ~ 560V	
Max. Input Current per MPPT		18A	
Max. Short-Circuit Current		24A	
Number of MPPT		2	
Max. Input Number per MPPT		1	
AC Output			
Nominal Output Power	5,000W	6,000W	7,500W
Max. Apparent Power	5,500VA	6,600VA	7,500VA
Nominal Output Voltage		1/N/PE, 220V/230V/240V	
Nominal AC Grid Frequency		50Hz/60Hz	
Nominal Output Current	22.7A	27.3A	34.0A
Max. Output Current	25.0A	30.0A	34.0A
Adjustable Power Factor		0.8 Leading...0.8 Lagging	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.2%	
European Weighted Efficiency		97.6%	
MPPT Efficiency		99.9%	
Protection			
Active Anti-Islanding Protection		YES	
Residual Current Monitoring		YES	
DC Reverse Polarity Protection		YES	
DC Switch		YES	
AC Short-Circuit Protection		YES	
AC Overvoltage Protection		YES	
AC Overcurrent Protection		YES	
DC Surge Protection		Type II	
AC Surge Protection		Type II	
Ground Fault Detection		YES	
AFCI		YES	
General Data			
Operating Temperature Range		-25 ~ 60°C	
Relative Operating Humidity		0 ~ 100%RH	
Operating Altitude		4,000m	
Cooling		Natural Cooling	
Display		LED+App	
Communication		RS485/4G/Wi-Fi	
Weight		11.6kg	
Dimensions (W*H*D)		340*360*136mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II/AC III	

Single Phase String Inverter

HYX-S7K/8K/9K/10K/12K-S



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 20A Design, Ideal for High-Power Modules
- 98.3% Efficiency with Wide MPPT Range

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

HYXI Single Phase String Inverter 7 ~ 12kW

Model	HYX-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-S
PV Input					
Max. Input Power	11,200W	12,800W	14,400W	16,000W	19,200W
Max. Input Voltage	600V				
Nominal Input Voltage	360V				
Start-Up Voltage	80V				
MPPT Operating Voltage Range	40 ~ 560V				
Max. Input Current per MPPT	20A				
Max. Short-Circuit Current	24A				
Number of MPPT	2	3			
Max. Input Number per MPPT			1		
AC Output					
Nominal Output Power	7,000W	8,000W	9,000W	10,000W	12,000W
Max. Apparent Power	7,700VA	8,800VA	9,900VA	11,000VA	13,200VA
Nominal Output Voltage	1/N/PE, 220V/230V/240V				
Nominal AC Grid Frequency	50/60Hz				
Nominal Output Current	31.8A	36.4A	40.9A	45.5A	54.5A
Max. Output Current	35A	40A	45A	50A	60A
Adjustable Power Factor	0.8 Leading...0.8 Lagging				
THDi	< 3%				
Efficiency					
Max. Efficiency	98.2%				
European Weighted Efficiency	97.6%				
MPPT Efficiency	99.9%				
Protection					
Active Anti-Islanding Protection	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
DC Switch	YES				
AC Short-Circuit Protection	YES				
AC Overvoltage Protection	YES				
AC Overcurrent Protection	YES				
DC Surge Protection	Type II				
AC Surge Protection	Type II				
Ground Fault Detection	YES				
AFCI	YES				
General Data					
Operating Temperature Range	-30 ~ 60°C				
Relative Operating Humidity	0 ~ 100%RH				
Operating Altitude	4,000m				
Cooling	Natural Cooling				
Display	LED+App				
Communication	RS485/4G/Wi-Fi				
Weight	23kg				
Dimensions (W*H*D)	522*416*162.5mm				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II/AC III				

Three Phase String Inverter

HYX-S5K/6K/8K/10K/12K-T



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 98.2% Efficiency with Wide MPPT Range
- 18A Design, Ideal for High-Power Modules

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

HYXI Three Phase String Inverter 5 ~ 12kW

Model	HYX-S5K-T	HYX-S6K-T	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T
PV Input					
Max. Input Power	8,000W	9,600W	12,800W	16,000W	19,200W
Max. Input Voltage	1,100V				
Nominal Input Voltage	600V				
Start-Up Voltage	160V				
MPPT Operating Voltage Range	140 ~ 1,000V				
Max. Input Current per MPPT	18A				
Max. Short-Circuit Current	24A				
Number of MPPT	2				
Max. Input Number per MPPT	1				
AC Output					
Nominal Output Power	5,000W	6,000W	8,000W	10,000W	12,000W
Max. Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA	13,200VA
Nominal Output Voltage	3L/N/PE, 220/380V, 230/400V				
Nominal AC Grid Frequency	50/60Hz				
Nominal Output Current	7.5A/380V 7.2A/400V	9.1A/380V 8.7A/400V	12.2A/380V 11.5A/400V	15.2A/380V 14.4A/400V	18.2A/380V 17.3A/400V
Max. Output Current	8.3A/380V 7.9A/400V	10A/380V 9.5A/400V	13.5A/380V 12.7A/400V	16.9A/380V 15.8A/400V	20.1A/380V 19.1A/400V
Adjustable Power Factor	0.8 Leading...0.8 Lagging				
THDi	< 3%				
Efficiency					
Max. Efficiency	98.50%				
European Weighted Efficiency	98.10%				
MPPT Efficiency	99.90%				
Protection					
Active Anti-Islanding Protection	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
DC Switch	YES				
AC Short-Circuit Protection	YES				
AC Overvoltage Protection	YES				
AC Overcurrent Protection	YES				
DC Surge Protection	Type II				
AC Surge Protection	Type II				
Ground Fault Detection	YES				
AFCI	YES				
General Data					
Operating Temperature Range	-30 ~ 60℃				
Relative Operating Humidity	0 ~ 100%RH				
Operating Altitude	4,000m				
Cooling	Natural Cooling				
Display	LED+App				
Communication	RS485/4G/Wi-Fi				
Weight	21kg				
Dimensions (W*H*D)	522*416*162.5 mm				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II/AC III				

Three Phase String Inverter

HYX-S15K/17K/20K/25K-T



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 40A Design, Ideal for High-Power Modules
- 98.3% Efficiency with Wide MPPT Range

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Scenario-Based App with Real-Time Energy Monitoring

HYXI Three Phase String Inverter 15 ~ 25kW

Model	HYX-S15K-T	HYX-H20K-T	HYX-S25K-T
PV Input			
Max. Input Power	24,000W	32,000W	40,000W
Max. Input Voltage		1,100V	
Nominal Input Voltage		600V	
Start-Up Voltage		160V	
MPPT Operating Voltage Range		140 ~ 1,000V	
MPPT Full Load Voltage Range		315 ~ 850V	
Max. Input Current per MPPT		40A	
Max. Input Current per String		20A	
Max. Short-Circuit Current		50A	
Number of MPPT		2	
Max. Input Number per MPPT		2	
AC Output			
Nominal Output Power	15,000W	20,000W	25,000W
Max. Apparent Power	16,500VA	22,000VA	27,500VA
Nominal Output Voltage		3L/N/PE, 220/380V, 230/400V	
Nominal AC Grid Frequency		50/60Hz	
Nominal Output Current	22.8A/380V 21.7A/400V	30.4A/380V 28.9A/400V	38.0A/380V 36.1A/400V
Max. Output Current	25.2A/380V 23.9A/400V	33.6A/380V 31.9A/400V	42.0A/380V 39.9A/400V
Adjustable Power Factor		0.8 Leading...0.8 Lagging	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.2%	
MPPT Efficiency		99.9%	
Protection			
Active Anti-Islanding Protection		YES	
Residual Current Monitoring		YES	
DC Reverse Polarity Protection		YES	
DC Switch		YES	
AC Short-Circuit Protection		YES	
AC Overvoltage Protection		YES	
AC Overcurrent Protection		YES	
DC Surge Protection		Type II	
AC Surge Protection		Type II	
Ground Fault Detection		YES	
AFCI		YES	
General Data			
Operating Temperature Range		-30 ~ 60°C	
Relative Operating Humidity		0 ~ 100%RH	
Operating Altitude		4,000m	
Cooling		Smart Air Cooling	
Display		LED+App	
Communication		RS485/4G/Wi-Fi	
Weight		27kg	
Dimensions (W*H*D)		519*426*192mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II/AC III	

C&I PV and ESS

Overview

HYXI C&I PV and ESS combines PV generation and storage systems to enable self-consumption, peak shaving, and Time-of-use (TOU) arbitrage.

It optimizes energy use, stores electricity during low-price periods, and releases it during peak times, reducing electricity costs. Supporting both grid-connected and off-grid modes, it suits areas with unstable grids or price fluctuations.

The system uses high-safety lithium iron phosphate batteries for stable, efficient operation, driving both energy savings and economic benefits.

Three Phase String Inverter

HYX-S29K9/30K/33K/36K/40K/50K-T



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 40A Input, 182 & 210mm Panels Supported
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

HYXI Three Phase String Inverter 29.9 ~ 50kW

Model	HYX-S29K9-T	HYX-S30K-T	HYX-S33K-T	HYX-S36K-T	HYX-S40K-T	HYX-S50K-T
PV Input						
Max. Input Power	48kW	48kW	52.8kW	57.6kW	64kW	80kW
Max. Input Voltage	1100V					
Nominal Input Voltage	600V					
Start-Up Voltage	160V					
MPPT Operating Voltage Range	140 ~ 1000V					
Max. Input Current per MPPT	40A					
Max. Input Current per String	20A					
Max. Short-Circuit Current	50A					
Number of MPPT	3	3	3	4	4	
Max. Input Number per MPPT	2					
AC Output						
Nominal Output Power	29.9kW	30kW	33kW	36kW	40kW	50kW
Max. Apparent Power	29.9kVA	33kVA	36.3kVA	39.6kVA	44kVA	55kVA
Nominal Output Voltage	3L/N/PE, 220/380V, 230/400V					
Nominal AC Grid Frequency	50/60Hz					
Nominal Output Current	45.4A/380V 43.1A/400V	45.6A/380V 43.3A/400V	50.2A/380V 47.6A/400V	54.7A/380V 52A/400V	60.8A/380V 57.7A/400V	76A/380V 72.2A/400V
Max. Output Current	45.4A/380V 43.1A/400V	50.2A/380V 47.6A/400V	55.2A/380V 52.4A/400V	60.2A/380V 57.2A/400V	66.9A/380V 63.5A/400V	83.6A/380V 79.4A/400V
Adjustable Power Factor	0.8 Leading...0.8 Lagging					
THDi	< 3%					
Efficiency						
Max. Efficiency	98.60%					
European Weighted Efficiency	98.10%					
MPPT Efficiency	99.90%					
Protection						
Active Anti-Islanding Protection	YES					
Residual Current Monitoring	YES					
DC Reverse Polarity Protection	YES					
DC Switch	YES					
AC Short-Circuit Protection	YES					
AC Overvoltage Protection	YES					
AC Overcurrent Protection	YES					
DC Surge Protection	Type II					
AC Surge Protection	Type II					
Ground Fault Detection	YES					
AFCI	Optional					
PID Recovery	Optional					
General Data						
Operating Temperature Range	-30 ~ 60℃					
Relative Operating Humidity	0 ~ 100%RH					
Operating Altitude	4,000m					
Cooling	Smart Air Cooling					
Display	LED/WLAN+App					
Communication	RS485/4G/Wi-Fi					
Weight	44kg					
Dimensions (W*H*D)	615*460*268.5mm					
Topology	Non-Isolated					
Degree of Protection	IP66					
Overvoltage Level	PV II/AC III					

Three Phase String Inverter

HYX-S100K/110K/120K-T



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

Profitable & Efficient

- 40A Input per MPPT
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

Smart & Manageable

- Three-Phase Wiring Sequence Adaptive, Easy System Wiring
- AI IV Scanning for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

HYXI Three Phase String Inverter 100 ~ 125kW

Model	HYX-S100K-T		HYX-S110K-T	HYX-S125K-T
PV Input				
Max. Input Voltage			1,100V	
Nominal Input Voltage			650V	
Start-Up Voltage			160V	
MPPT Operating Voltage Range			140 ~ 1,000V	
Max. Input Current per MPPT			40A	
Max. Input Current per String			20A	
Max. Short-Circuit Current			50A	
Number of MPPT			8	
Max. Input Number per MPPT			2	
AC Output				
Nominal Output Power	100kW		110kW	125kW
Max. Apparent Power	110kVA		121kVA	125kVA
Nominal Output Voltage			220/380V , 230/400V , 3L/N/PE	
Nominal AC Grid Frequency			50/60Hz	
Nominal Output Current	151.9A/380V 144.3A/400V		167.1A/380V 158.7A/400V189.9A/380V 180.4A/400V	
Max. Output Current	167.1A/380V 158.7A/400V		183.8A/380V 174.6A/400V189.9A/380V 180.4A/400V	
Adjustable Power Factor			0.99/0.8 Leading...0.8 Lagging	
THDi			< 3%	
Efficiency				
Max. Efficiency			98.50%	
European Weighted Efficiency			98.00%	
MPPT Efficiency			99.90%	
Protection				
Active Anti-islanding Protection			YES	
Residual Current Monitoring			YES	
DC Reverse Polarity Protection			YES	
DC Switch			YES	
AC Short-Circuit Protection			YES	
AC Overvoltage Protection			YES	
AC Overcurrent Protection			YES	
DC Surge Protection			Type II	
AC Surge Protection			Type II	
Ground Fault Detection			YES	
AFCI			Optional	
PID Recovery			Optional	
General Data				
Operating Temperature Range			-30 ~ 60°C	
Relative Operating Humidity			0 ~ 100%RH	
Operating Altitude			4,000m	
Cooling			Smart Air Cooling	
Display			LED/WLAN+App	
Communication			RS485/4G/Wi-Fi	
Weight			95kg	
Dimensions (W*H*D)			880*760*340mm	
Topology			Non-Isolated	
Degree of Protection			IP66	
Overvoltage Level			PV II/AC III	

Three Phase String Inverter

HYX-S80K/99K9/100K/110K/125K-T2



Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown
- RSD and PV Monitoring Supported

Profitable & Efficient

- 40A Input per MPPT
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

Smart & Manageable

- Three-Phase Wiring Sequence Adaptive, Easy System Wiring
- AI IV Scanning for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

HYXI Three Phase String Inverter 80 ~ 125kW

Model	HYX-S80K-T2	HYX-S99K9-T2	HYX-S100K-T2	HYX-S110K-T2	HYX-S125K-T2
PV Input					
Max. Input Voltage			1,100V		
Nominal Input Voltage			650V		
Start-Up Voltage			160V		
MPPT Operating Voltage Range			140 ~ 1,000V		
Max. Input Current per MPPT			40A		
Max. Input Current per String			20A		
Max. Short-Circuit Current			50A		
Number of MPPT	6	8	8	8	8
Max. Input Number per MPPT			2		
AC Output					
Nominal Output Power	80kW	99.9kW	100kW	110kW	125kW
Max. Apparent Power	88kVA	109.9kVA	110kVA	121kVA	125kVA
Nominal Output Voltage	220/380V , 230/400V , 3L/N/PE				
Nominal AC Grid Frequency	50/60Hz				
Nominal Output Current	121.5A/380V 115.5A/400V	151.9A/380V 144.3A/400V	151.9A/380V 144.3A/400V	167.1A/380V 158.7A/400V	189.9A/380V 180.4A/400V
Max. Output Current	133.7A/380V 127A/400V	167.1A/380V 158.7A/400V	167.1A/380V 158.7A/400V	183.8A/380V 174.6A/400V	189.9A/380V 180.4A/400V
Adjustable Power Factor	0.99/0.8 Leading...0.8 Lagging				
THDi	< 3%				
Efficiency					
Max. Efficiency			98.50%		
European Weighted Efficiency			98.00%		
MPPT Efficiency			99.90%		
Protection					
Active Anti-islanding Protection			YES		
Residual Current Monitoring			YES		
DC Reverse Polarity Protection			YES		
DC Switch			YES		
AC Short-Circuit Protection			YES		
AC Overvoltage Protection			YES		
AC Overcurrent Protection			YES		
DC Surge Protection			Type II		
AC Surge Protection			Type II		
Ground Fault Detection			YES		
AFCI			Optional		
PID Recovery			Optional		
General Data					
Operating Temperature Range			-30 ~ 60°C		
Relative Operating Humidity			0 ~ 100%RH		
Operating Altitude			4,000m		
Cooling			Smart Air Cooling		
Display			LED/WLAN+App		
Communication			RS485/4G/Wi-Fi		
Weight			95kg		
Dimensions (W*H*D)			880*760*340mm		
Topology			Non-Isolated		
Degree of Protection			IP66		
Overvoltage Level			PV II/AC III		

HYXI Atlas

Air Cooling ESS 100kWh

HYX-EF100P2-EU



Strong Environmental Adaptability

- IP55 Protection & C5 Anti-Corrosion
- Reliable Operation in Harsh Outdoor Environments
- Resistant to Humidity, Salt Fog & Sand Dust

Compact Footprint

- Footprint per Cabinet < 1m²
- Flexible Deployment for Space-Constrained Sites
- High Space Utilization Efficiency

Low Noise Operation

- Operating Noise ≤ 70 dB
- Meets Commercial & Industrial Noise Control Requirements

Easy Installation

- Integrated All-in-One Cabinet Design
- Plug-and-Play for Rapid Deployment
- Reduced Installation Time & Construction Cost

Convenient O&M

- Modular Design for Easy Maintenance
- AI-Driven EMS Remote Smart O&M
- Reduced Overseas Maintenance Pressure

HYXI Atlas Air Cooling ESS 100kWh

Model	HYX-EF100P2-EU
Battery	
Battery Type	LiFePO4
Battery Capacity	314Ah
Rated Current	157A
Pack Configuration	IP20S*5
Voltage Range	280 ~ 365V
Nominal Capacity	100.48kWh
AC Side (On-grid)	
AC Rated Voltage	3/N/PE, 220/380V
Frequency	50/60Hz
Frequency Range	± 5Hz
Rated AC Power	50kW
Rated AC Current	76A
Power Factor	0.8 Leading...0.8 Lagging
THDi	<3% (Rated power)
PV Side	
Max. Input Power	100kW
Max. Input Voltage	1,000V
MPPT Voltage Range	150 ~ 950V
Start-Up voltage	180V
Max. Input Current	40A*4
Max. Input Short Circuit Current per MPPT	60A*4
No. of MPPT Trackers/Strings per MPPT Tracker	4/2
System	
Weight	≈ 1,100kg
Dimension (W/D/H)	W750*D1,300*H2,350mm
Operating Temperature	-30 ~ 55 °C
Operating Humidity	0 ~ 100%RH (Non-Condensing)
Ingress Protection	IP55
Anti-Corrosion Grade	C5
Cooling Method	Air Cooling
Noise	≤70dB
Altitude	< 3,000m
Fire Protection	Aerosol, Multi-Sensor/Water Ingress, Explosion-Proof Ventilation
Communication	Ethernet/Wi-Fi/4G
Certification	CE, LVD, UN38.3, UL9540A

HYXI Atlas C&I ESS

Stable Power, Smart Revenue.

Automotive-Grade Precision

Automatic Liquid Refill

70% Less
Service Time

10-Minute Replacement

271
Temperature Sensors

$\geq 2h$ Fire Resistance

20ms
Stopped Risks in 20ms

Whole Cabinet C5

Cold to Heat

-30°C 55°C

Industrial-Grade Power Conversion

Smart AI Strategy

>20%
Revenue
Improvement

Every-Phase Feedback 0

HYXI Atlas

Liquid Cooling ESS

HYX-EL261P2-EU



Superior Performance

- 314Ah LiFePO4 Cell, Scalable up to MWh
- Automotive-Grade Pack & BMS
- Three-Phase Four-Leg PCS, 100% Unbalanced Operation Support
- Suitable for Harsh Environment: IP55/C5

Extremely Safe

- 7-Layer Fire Protection Design
- 271-Point Thermal Monitoring
- 50mm A1-Grade Insulation
- 6-Layer Electrical Protection, 20ms Cut-Off

Intelligent Energy

- AI-Driven EMS
- Smart Phase Zero Export Control
- Customizable Interface

Easy O&M

- 10-Minute Module Replacement
- Compact Design, 20% Less Footprint
- Auto Refill, Minimal Maintenance

HYXI Atlas Liquid Cooling ESS 125kW/261kWh

Model	HYX-EL261P2-EU
Battery Rating	
Cell Type	LiFePO4
Cell Capacity	314Ah
Battery Configuration	1P260S
Battery Nominal Voltage	832V
Battery Operating Voltage	728 ~ 936V
Battery Nominal Capacity	261kWh
AC Side (On-Grid)	
Nominal Power	125kW
Nominal Voltage	3L/N/PE, 230/400V
Nominal Current	180A
Nominal Frequency	50/60Hz
Frequency Range	50/60Hz ± 2.5Hz
Max. THD of Current	< 3% (Nominal Power)
DC Component	< 0.5% (Nominal Power)
Power Factor Range	0.99 Leading...0.99 Lagging
AC Side (Off-Grid)	
Nominal Power	125kW
Nominal Voltage	3L/N/PE, 230/400V
Nominal Frequency	50/60Hz
Max. THD of Current	< 3% (Linear Load)
Unbalance Load Capacity	100%
General Data	
Dimensions (W*H*D)	1,000mm*2,402mm*1,467mm
Weight	2,620kg
Degree of Protection	IP55
Anti-Corrosion Degree	C5
Operating Humidity Range	0 ~ 100%
Operating Temperature Range	-30 ~ 55°C (> 45°C Derating)
Max. Operating Altitude	3,000m
Cooling Method	Liquid Cooling
Noise	≤ 70dB
Fire Suppression System	Flammable gas detector, Smoke detector, Heat detector, Alarm sounder, Smoke exhaust fan, Aersol, Sprinkler
Communication Interface	Ethernet/Wi-Fi/4G
Communication Protocol	Modbus TCP
Certifications	IEC62619, IEC60730, IEC63056, IEC62477, IEC61000, UN38.3

Utility PV and ESS

Overview

HYXI Utility PV and ESS incorporates advanced design to enhance output power and conversion efficiency, reducing switching losses and utilizing AI-driven dynamic MPPT to boost power generation.

The system ensures ultimate reliability with temperature monitoring, overheat protection, and smart string disconnection for fast shutdown, all while undergoing rigorous testing for durability.

It supports grid-friendly power quality with low harmonic distortion, and smart management enables fault detection accuracy, real-time monitoring, and remote maintenance support.

Safety is prioritized through multi-layer electrical protection, AI thermal balance, and flame-retardant features, while precision monitoring ensures early warning and fire response.

Three Phase String Inverter

HYX-S250/320/333/350K-HT



Ultimately Reliable

- Terminal Overheat Protection
- Smart String Disconnection, < 25ms Fast Shutdown
- IP66, 1,400+ Cumulative Rigorous Tests

Grid-Friendly

- Full Power Feed in Grid SCR ≥ 1.2
- THDi < 3% for Improved Power Quality

Highly Profitable

- 75A Input, Ideal for High-Power Modules
- Max Efficiency up to 99.04%
- AI Dynamic MPPT, Boosting Power Generation by 5%

Smart & Manageable

- AI Based IV Curve Scanning and Fault Diagnosis
- Real-Time Monitoring with OTA for Online Maintenance
- Optional Anti-PID Function

HYXI Three Phase String Inverter 250 ~ 350kW

Model	HYX-S250K-HT		HYX-S320K-HT		HYX-S333K-HT		HYX-S350K-HT		
PV Input									
Max. Input Voltage			1,500V						
Nominal Input Voltage			1,080V						
Start-Up Voltage			500V						
MPPT Operating Voltage Range			480 ~ 1,500V						
Max. Input Current per MPPT			75A						
Max. Short-Circuit Current			120A						
Number of MPPT			6						
Max. Input Number per MPPT			5						
AC Output									
Nominal Output Power		250kW		320kW		333kW		352kW	
Max. Apparent Power		275kVA		35kVA		333kVA		352kVA	
Nominal Output Voltage			3L/PE, 800V						
Nominal AC Grid Frequency			50Hz/60Hz						
Nominal Output Current		180.4A		230.9A		240.3A		254A	
Max. Output Current		198.5A		254A		254A		254A	
Adjustable Power Factor			> 0.99 (0.8 Leading...0.8 Lagging)						
THDi			< 3%						
Efficiency									
Max. Efficiency			≥ 99.04%						
European Weighted Efficiency			≥ 98.8%						
MPPT Efficiency			99.90%						
Protection									
Active Anti-Islanding Protection			YES						
Residual Current Monitoring			YES						
DC Reverse Polarity Protection			YES						
DC Switch			YES						
AC Short-Circuit Protection			YES						
AC Overvoltage Protection			YES						
AC Overcurrent Protection			YES						
DC Surge Protection			Type II						
AC Surge Protection			Type II						
Ground Fault Detection			YES						
Smart String-Level Disconnection			YES						
Smart Connector-Level Detection			YES						
General Data									
Operating Temperature Range			-35 ~ 60°C						
Relative Operating Humidity			0 ~ 100%RH						
Operating Altitude			5,000m						
Cooling			Smart Air Cooling						
Display			LED+App						
Communication			RS485/HPLC						
Weight			130kg						
Dimensions (W*H*D)			1120*820*380mm						
Topology			Non-Isolated						
Degree of Protection			IP66						
Overvoltage Level			PV II/AC III						

HYXI Atlas Mega Container ESS

HYX-EL3000/4000/5000P2-DC



Ultimate Safety

- Multi-Layer Electrical Protection
- Six-Sided Flame Retardant
- Triple Fire Protection Design
- Precision Monitoring with Early Warning

Efficient Energy

- System RTE (Round Trip Efficiency) ≥ 90%
- High-Efficiency Heat Dissipation
- Long Battery Life and System Discharge Capacity

HYXI Atlas Mega 5MWh

Model	EL3000P2-DC	EL4000P2-DC	EL5000P2-DC
Battery Side			
Cell Type	LiFePO4		
Cell Capacity	314Ah		
Battery Configuration	8P416S	10P416S	12P416S
Battery Nominal Voltage	1,331.2V		
Operating Voltage Range	1,164.8 ~ 1,497.6V		
Battery Nominal Capacity	3.34MWh	4.18MWh	5.01MWh
Nominal Charges/Discharge Rate	≤ 0.5C		
Protection			
Overvoltage Protection	YES		
Overcurrent Protection	YES		
Short-Circuit Protection	YES		
Over-Temperature Protection	YES		
Emergency Stop Protection	YES		
General Data			
Max. Efficiency	≥ 90% (Include Self-Consumption)		
Operation Ambient Temperature Range	-30 ~ 55°C		
Storage Temperature	-20 ~ 35°C		
Operating Humidity Range	0 ~ 95%RH		
Noise	≤ 80dB		
Anti-Corrosion Degree	C3/C4/C5 (Optional)		
Dimensions (W*H*D)	6,058*2,896*2,438mm		
Weight	33T	38T	43T
Protection Degree	IP55	IP55	IP55
Cooling Method	Liquid Cooling		
Fire Protection Method	Aerosol+Water Suppression System		
Max. Operating Altitude	≤ 2,000m		
Networking Mode	LAN、RS485、CAN		

Logger



Intelligent & Flexible

- Up to 150 Inverters Connectable
- Multiple Communication Protocols Supported
- Weather Station Compatible, Anytime Remote Monitoring

Simple & Easy

- Wall, Guide Rail and Drawer Mounting Options
- Built-in Web UI, One Click Commissioning

Stable & Reliable

- TLS Encrypted Data Transmission
- Dual Redundant Power Supply for Continuous Operation

HYXI Logger

Model	HYX-LoggerA	HYX-LoggerB
Equipment Management		
Max. Number of Manageable Devices	150PCS	
Communication Parameters		
WAN	WAN*2, 10/100/1,000Mbps	
LAN	LAN*4, 10/100/1,000Mbps	
Fiber	SFP*2, 100/1,000Mbps	
4G	YES	NO
HPLC	PLC*1, Max. AC Voltage: 800V (±10%) 1,000m	
RS485	COM*6	
Digital/Analog Input/Output	DI*9/DO*4/AI*4	
PT100/PT1000	2	
DC Output	x1, 12V, 0.1A	
Communication Protocol		
Ethernet	Modbus-TCP, IEC 60870-5-104	
RS485	Modbus-RTU, IEC 60870-5-103(Standard), DL/T645	
Electrical		
AC Power Supply	100 ~ 240VAC, 50/60Hz	
DC Power Supply	24Vdc, 1.25A	
Power Consumption	Max. 18W	
Display		
LED	LED*4	
Web	Max. 18W	
USB	USB 3.0*2	
General Data		
Operating Temperature Range	-35 ~ 60°C	
Relative Humidity (Non-Condensing)	5 ~ 95%RH	
Protection Degree	IP20	
Max. Operating Altitude	4,000m	
Dimensions (W*H*D)	60*380*240mm (Without Mounting Ears and Antenna)	
Weight	3kg	
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting Integrated inside HYX-Smart ECS	



ECS

Simple & Easy

- Multiple Protocol Interfaces Supported
- Multi Device Protocol Access Supported

Stable & Reliable

- IP65 Protection Grade
- Industrial-Grade Design Standard

Fast & intelligent

- Embedded Platform One-Stop Station Operation

HYXI ECS

Model	HYX-ECS
Configuration	
HYX-Logger	HYX-LoggerA/HYX-LoggerB
RS485	COM*6
HPLC	1
Ethernet Port	WAN*2, 10/100/1,000Mbps LAN*4, 10/100/1,000Mbps SFP*2, 100/1,000Mbps
Fiber Switch	Optional, 2*100/1,000Mbps Fiber Ports and 6*10/100Mbps Ethernet Ports
Environment	
Operating Temperature Range	-40 ~ 60°C
Relative Humidity	0% ~ 100%RH
Max. Operating Altitude	5,000m
Electrical	
AC Input Voltage for Cabinet	100V ~ 240V, L/N (L) +PE
HPLC AC Input Voltage	380V ~ 800V, 3Ph
AC Input Frequency	50/60Hz
Power Supply	24VDC
Mechanical	
Mechanical	Bottom in & out
Dimensions (W*H*D)	770*480*350mm
Weight	30kg
Protection Degree	IP65
Installation Options	Wall Mounting, Rack Mounting, Pole Mounting

DCS

HYX-DCS-4G/WL/W1



Convenient & User-Friendly

- Up to 10 Inverters Connectable
- Plug and Play

Safe & Reliable

- Encrypted Data Transmission
- Data Recovery Supported

Smart & Manageable

- 4G Wi-Fi and Ethernet Communication Capability
- OTA & Onsite Update Supported
- Parameter Configuration & Fault Diagnosis

HYXI DCS

Model	HYX-DCS-4G		HYX-DCS-WL	HYX-DCS-W1
General Data				
Max.Inverters Supported			10	
Data Acquisition Interval			5mins	
Connection Interface			USB	
Ethernet Interface	/		10M/100M Ethernet	/
Installation			Plug-and-Play	
Indicator			LED+App	
Dimensions (W*H*D)	122*41*33mm		144*41*33mm	122*41*33mm
Weight	64g		68g	64g
Degree of Protection	IP66			IP65
Power Consumption	2W		1W	2W
Input Voltage			5V/1A	
Wireless Parameter				
Wireless	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS		Wi-Fi:802.11b/g/n	Wi-Fi:802.11b/g/n
Environment				
Operating Ambient Temperature			-30 ~ 65℃	
Relative Humidity Range			0 ~ 100%RH, Non-Condensing	
Storage Temperature Range			-40 ~ 70℃	

DMU

HYX-DMU-4G/WL



Stable & Reliable

- Encrypted Data Transmission
- Data Recovery Supported

Smart & Manageable

- 4G Wi-Fi and Ethernet Communication Capability
- OTA & Onsite Update Supported
- Parameter Configuration & Fault Diagnosis

Convenient & User-Friendly

- Plug and Play

HYXI DMU

Model	HYX-DMU-W		HYX-DMU-4G	
Communication to Microinverter				
Signal			Sub-1G	
Monitoring Data Limit from Solar Panels			400	
Communication to Hyxi Cloud				
Ethernet			RJ45*1, 100Mbps	
Wireless	Wi-Fi:802.11b/g/n		4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS	
Data Acquisition Interval			5mins	
Power Supply (Adapter)				
Type			External Adapter	
Adapter Input Voltage (V) /Frequency (Hz)			100 ~ 240VAC, 50 ~ 60Hz	
Adapter Ouput Voltage (V) /Current (A)			12V/1A	
Power Consumption (W)	1.5		2.5	
General Data				
Operating Ambient Temperature (°C)			-20 ~ 65	
Dimensions (W*H*D)			106*216*79mm (with Base)	
Weight (g)			320	
Cooling			Natural Cooling	
Enclosure Rating			IP20	
Installation Method			Desktop Mounting/Wall Mounting	

HYXI PLC Master & Slave Gateway

HYX-DMU-PM/PS



Reliable & Flexible

- Stable Signal Transmission in Complex Metal Environments
- Flexible Connectivity: Ethernet, Wi-Fi & 4G for Any Network Scenario
- Reliable Data: Local Storage with Breakpoint Resume, No Data Loss

Efficient & Convenient

- Intelligent Functions for Power Curtailment and Zero-Export Control
- Easy Integration: RS485, RJ45, DI/DO for External Device Connection

Smart & Manageable

- Dual Monitoring for Power Generation and Load Consumption
- Integrated Local & Remote O&M for Higher Efficiency

HYXI PLC Master Gateway

Model	HYX-DMU-PM
Communication with PS	
Signal Type	HPLC
Maximum Communication Distance	200m
Max. Number of Connected Devices	6
Communication with HYXI Cloud Platform	
Wired Networking Method	WAN*1, 10/100Mbps Auto-Negotiation
Wireless Networking Method	Wi-Fi: 802.11b/g/n
Upload Interval	5 Minutes
Extended Communication Ports	
RS485 Port	COM*2, 9600bps/19200bps/115200bps, Modbus-RTU
DRM Port	RJ45*1, Supports DRM0-9 Modes (Australia Only)
DI/DO Port (Digital I/O)	DI*2/DO*4
USB 2.0 Port	Supports Local Upgrade
CT Port	3*CT, Accuracy up to 1%
Interaction	
Indicator Light	LED*4 (Power, Net, Com, Alarm)
APP	HYXI
Electrical Parameters	
AC Power Input	Single Phase: 80VAC~288VAC, 50Hz/60Hz, L+N Three Phase: 346VAC~415VAC, 50Hz/60Hz, L1+L2+L3+N
Mechanical Parameters	
Operating Temperature Range	-40°C ~ 65°C
Dimensions (W*H*D)	121*56*95mm
Weight	0.33kg
Mounting Method	DIN Rail Mounting (DIN 35mm Rail)
Ingress Protection Rating	IP20

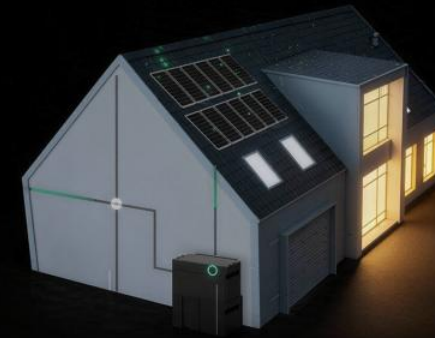
HYXI PLC Slave Gateway

Model	HYX-DMU-PS
Communication with Microinverter	
Signal Type	Wi-Fi
Maximum Communication Distance	15m
Max. Number of Connected Devices	80
Communication with PM	
Signal Type	HPLC
Maximum Communication Distance	200m
Interaction	
Indicator Light	LED*1
Electrical Parameters	
AC Power Input	Single Phase: 80VAC~288VAC, 50Hz/60Hz, L+N
Mechanical Parameters	
Operating Temperature Range	-40°C ~ 85°C
Dimensions (W*H*D)	86.5*32.5*55.5mm
Weight	0.15kg
Mounting Method	Bracket Installation
Ingress Protection Rating	IP66

HYXI Cloud



Efficient O&M



Unified Management
& OTA Updates

Automated Alerts
& Data Analysis

Multi-Dimensional Reports
for Smart Decisions

24/7 Intelligent Security
& Energy Control

Real-Time
Multi-End Control

Intelligent Module-
Level Visualization

Ultimate Experience

Batch Configuration
and Upgrades **Made Easy**

One-Tap Control
for All Key Functions

Ultra-Fast Setup in
Just **90 Seconds**



Comprehensive Intelligence

Adapts to Dynamic
Pricing and VPP

24/7 Smart Assistant for Insights,
Recommendations and Instant Troubleshooting

AI Scheduling for Maximum Savings,
Automatically optimizes charging and discharging based on
electricity prices.



Simple Intuition

Track Every
kWh with **Precision**

Instantly Detect
and Resolve **Anomalies**

Real-time,
Intuitive Energy Insights

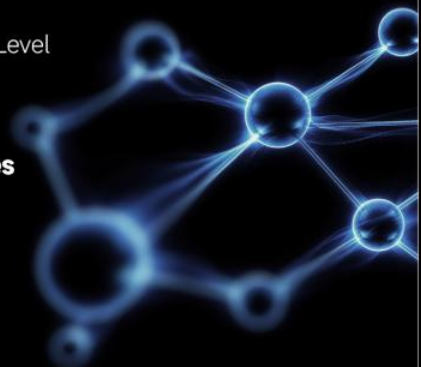


Open Ecosystem

OpenAPI for Platform-Level
Cloud Connectivity

Modular **AI Capabilities**
Ready for Expansion

Partner-Ready
SaaS Platform



Global Cases

Residential Cases



Microinverter
Île-de-France, France, Capacity 2.46kW



Microinverter
Drenthe, Netherlands, Capacity 7.9kW



Microinverter
Orange, France, Capacity 9kW



Microinverter
Drenthe, Netherlands, Capacity 7.9kW

Global Cases

Residential Cases



Hybrid Inverter, High Voltage Battery
Madrid, Spain, Capacity 5.28kW



Hybrid Inverter, High Voltage Battery
Rotterdam, Netherlands, Capacity 10kW



All-in-One ESS
Mazovia, Poland, Capacity 10kW



All-in-One ESS
Overijssel, Netherlands, Capacity 12kW/20kWh

Global Cases

Residential Cases



Hybrid Interver
Brisbane, Australia, Capacity 6.6kW



Hybrid Interver
Queensland, Australia, Capacity 6.6kW

Global Cases

C&I PV and ESS Cases



Hybrid Interver
Barcelona, Spain, Capacity 25kW



String Inverter
Eure-et-Loir, France, Capacity 45kW



Microinverter
Arkansas, USA, Capacity 11.6kW



All-in-One ESS
Overijssel, Netherlands, Capacity 12kW/20kWh



Microinverter
Texas, USA Capacity 117kW



Hybrid Inverter & High Voltage Battery
Rheinland-Pfalz, Germany, Capacity 50kW

Global Cases

C&I PV and ESS Cases



105kW/232kWh C&I ESS
Myanmar, Capacity 500kW/1075kWh



100kW/215kWh C&I ESS
Poland, Capacity 200kW/430kWh



105kW/232kWh C&I ESS
Netherlands, Capacity 200kW/430kWh



105kW/232kWh C&I ESS
Spain, Capacity 100kW/215kWh

Global Cases

Utility Cases



5000kWh Container ESS
Zhejiang, China, Capacity 400MWh



String Inverter
Hangzhou, China, Capacity 40MWp



String Inverter
Çanakkale İli, Türkiye, Capacity 29MW



5000kWh Container ESS
Zhejiang, China, Capacity 5MW/10MWh